

Great Frigatebird (Frigata minor): At-Sea Distribution and Abundance

The following maps represent all At-Sea observations made by personnel of the Pacific Ocean Biological Survey Program from February, 1963, through August, 1965.

Each square represents one days observation from the first through the fifteenth of the month, while each circle represents one days observation from the sixteenth through the thirty-first of each month.

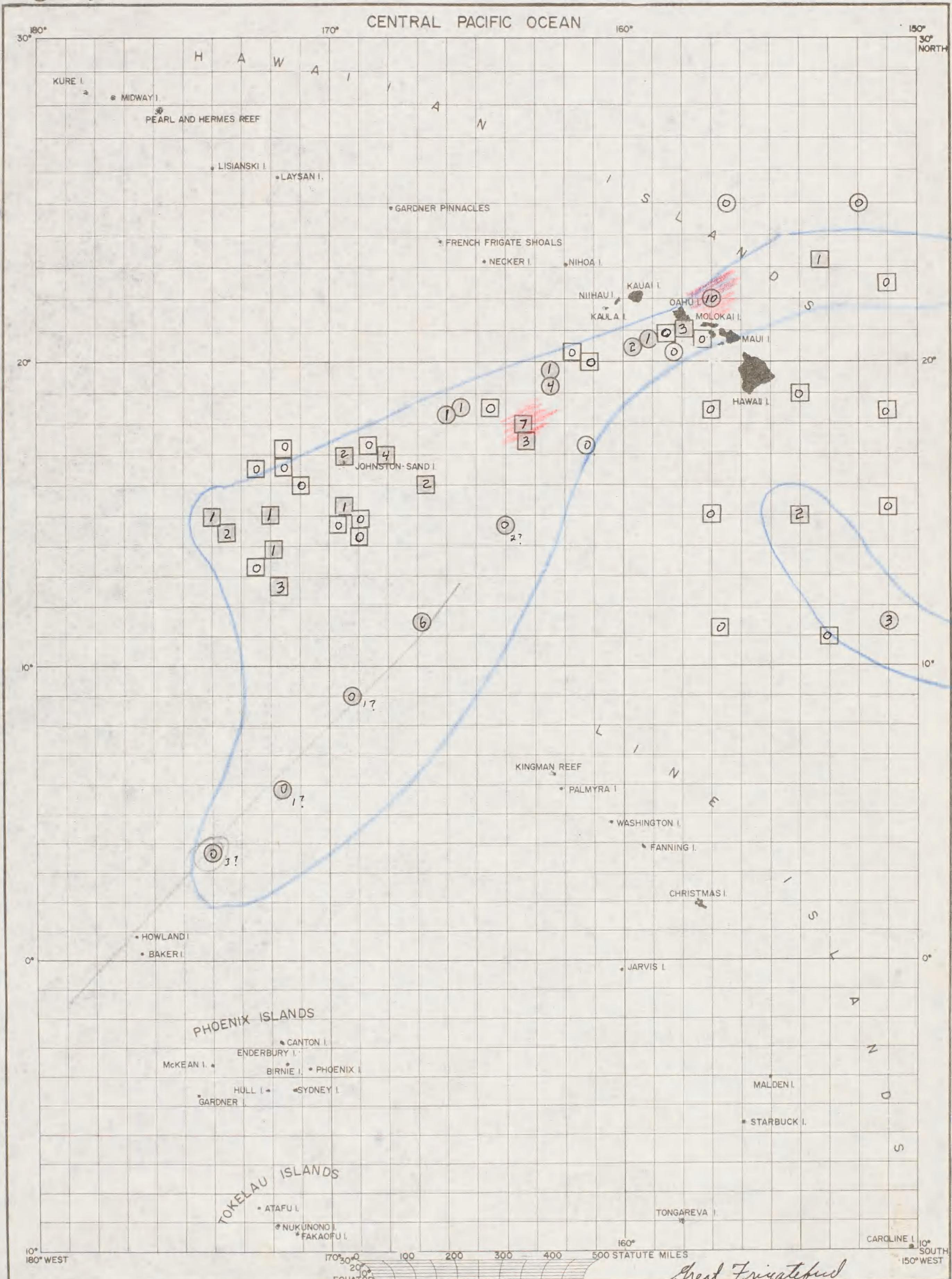
Numbers refer to actual number kf birds counted for each day.

Blue line encloses total area of occurrence. Red indicates exceptionally high numbers.

- = 1-15 January
- = 16-31 January
- = 0 birds
- ④ = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

JANUARY

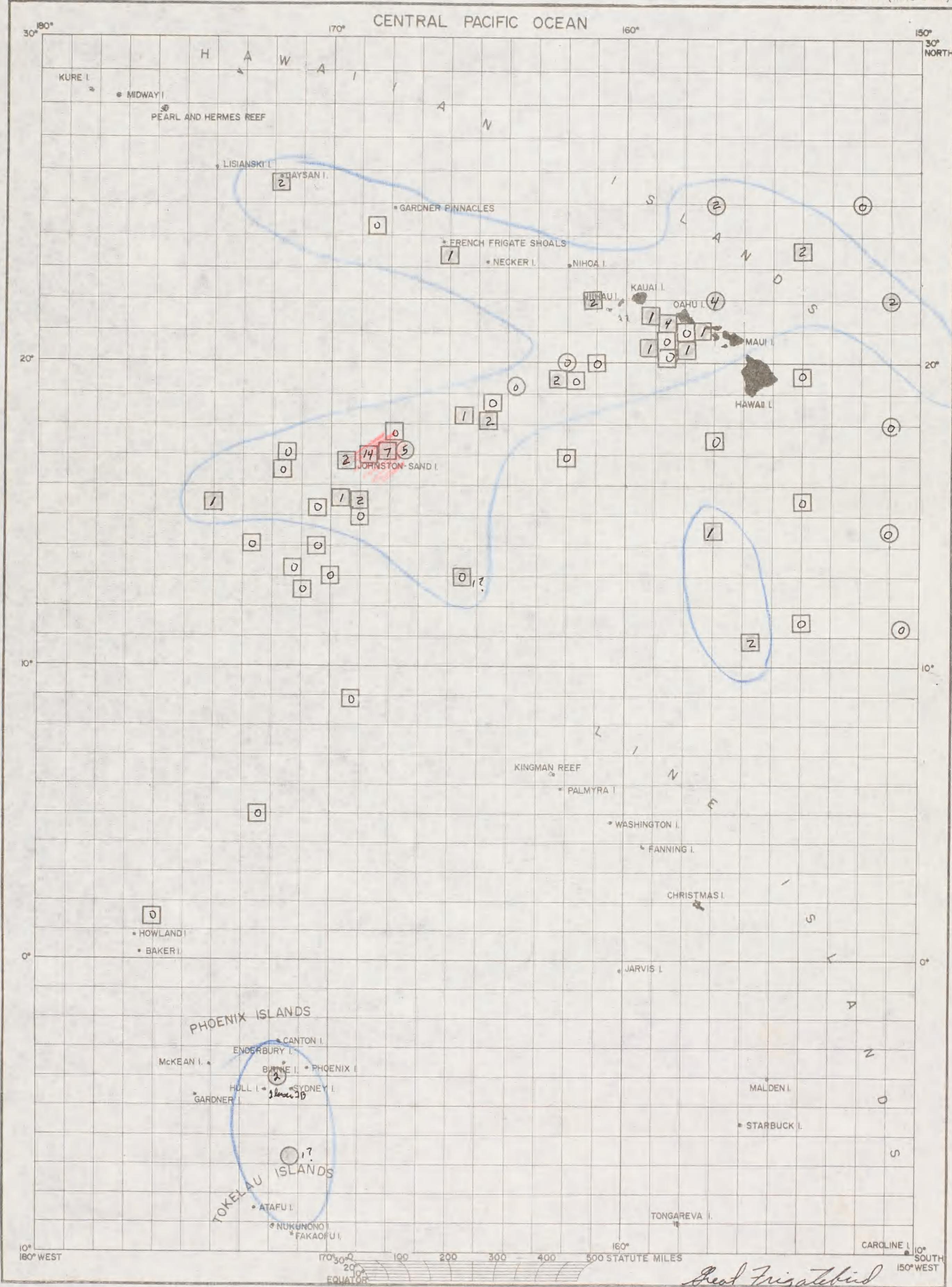
SI-MNH-38 (REV. 9-65)



- = 1-15 February
- = 16-31 February
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

FEBRUARY

SI-MNH-38 (REV. 9-85)

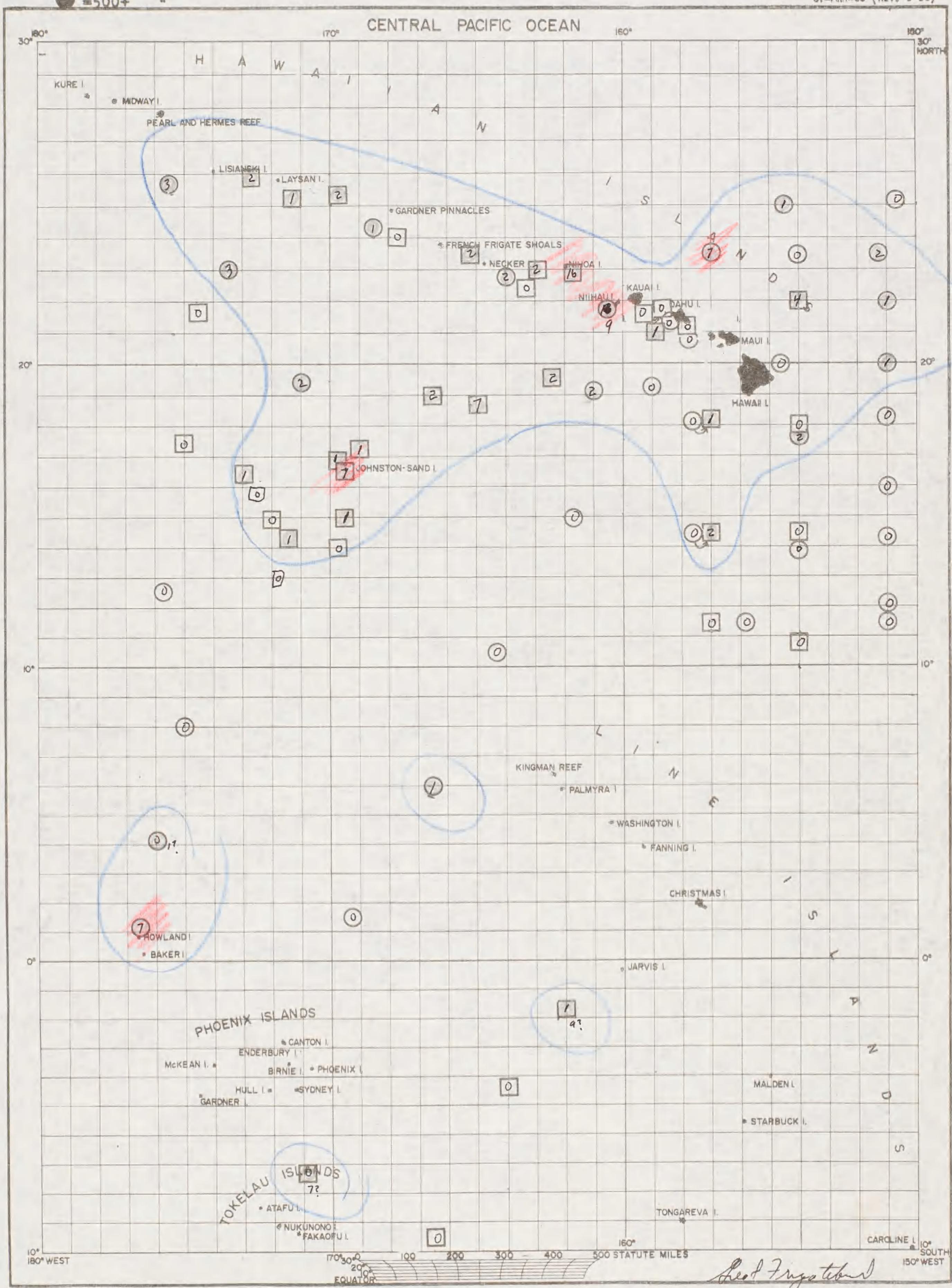


Great Frigatebird

- = 1-15 March
- = 16-31 March
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

MARCH

SI-MM-38 (REV. 9-65)

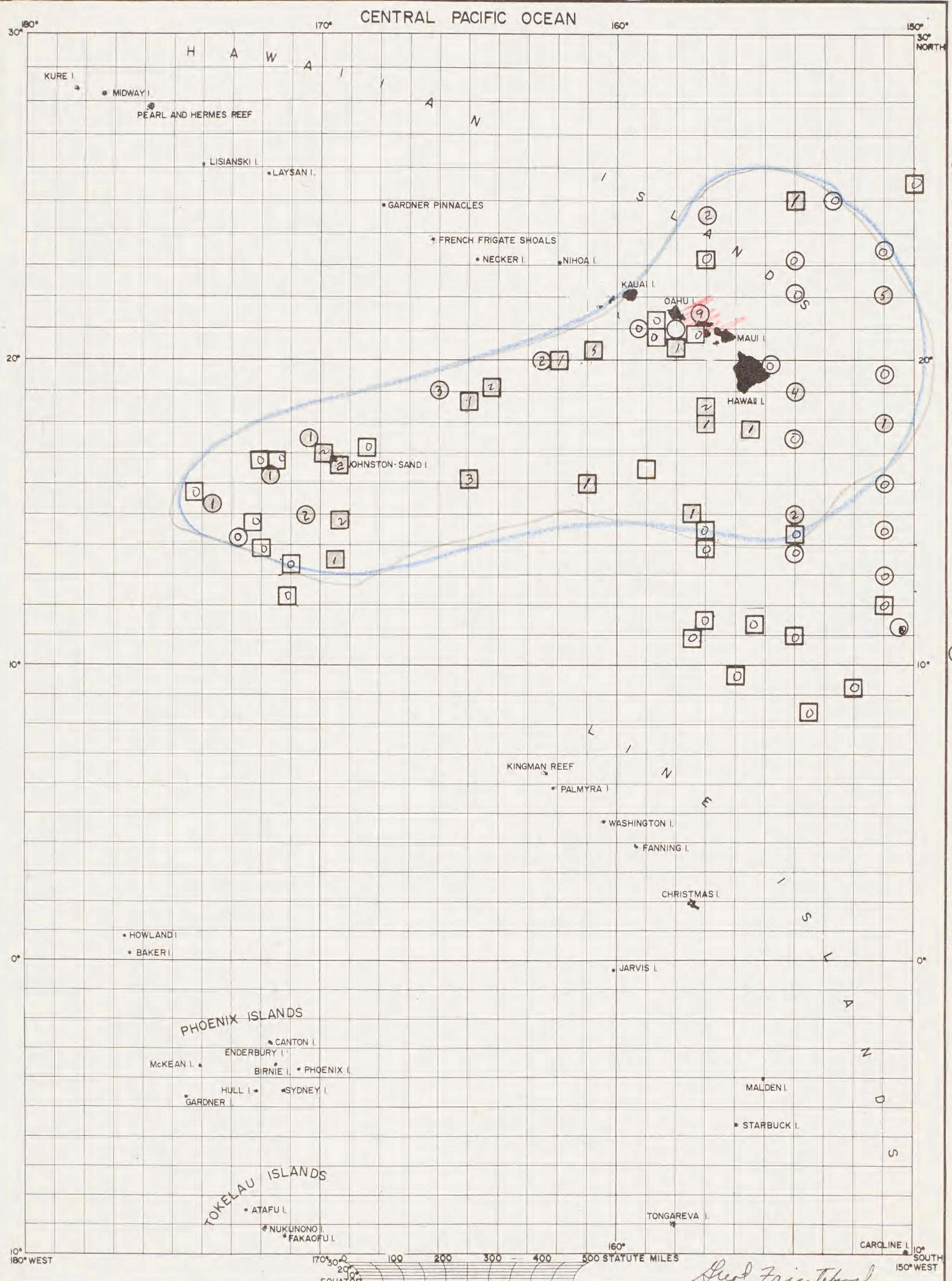


- = 1-15 April
- = 16-31 April
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 50-100 "
- = 101-500 "
- = 500+ "

APRIL

SI-MNH-38 (REV. 9-65)

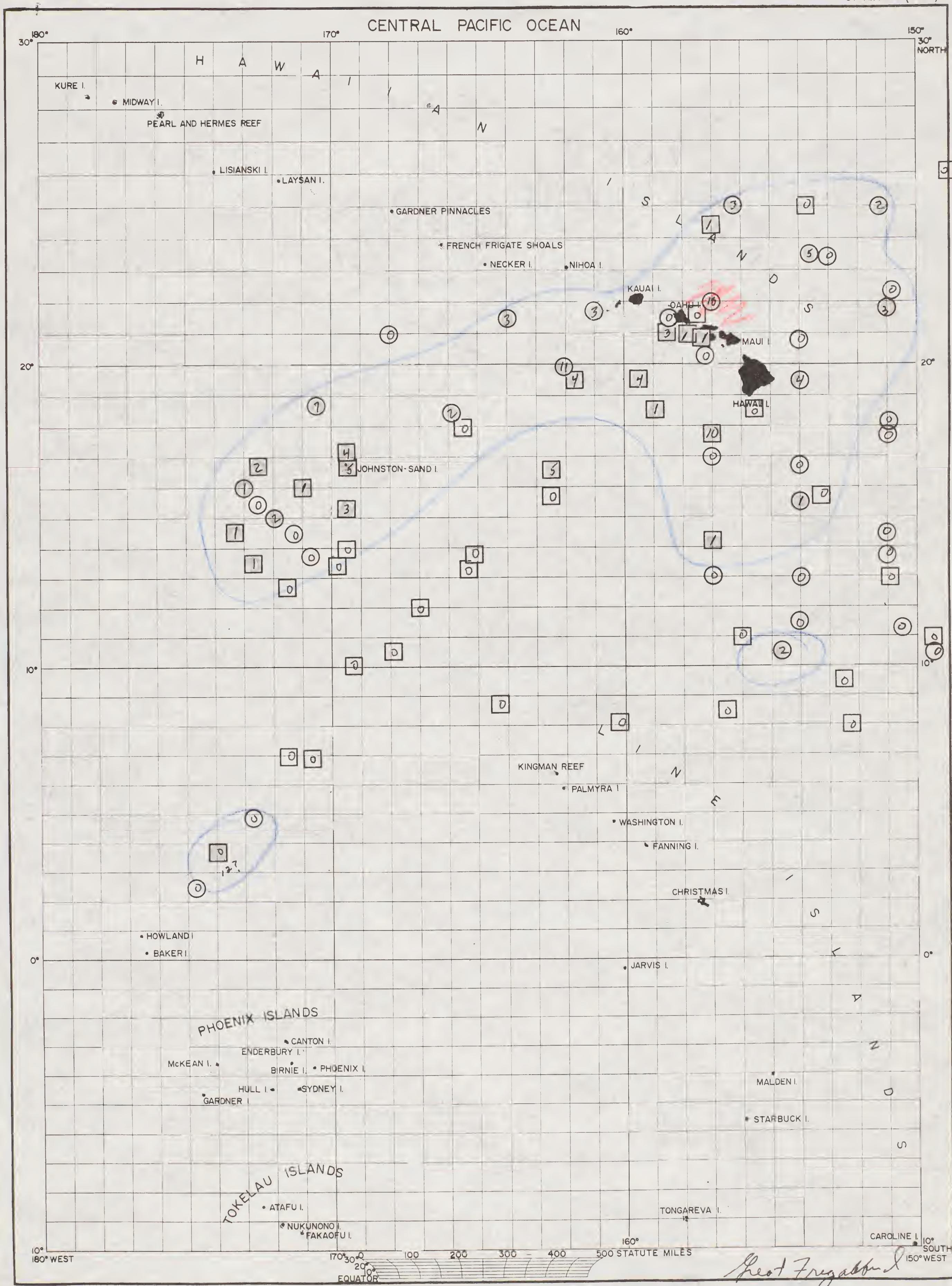
CENTRAL PACIFIC OCEAN



- = 1-15 May
- = 16-31 May
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

MAY

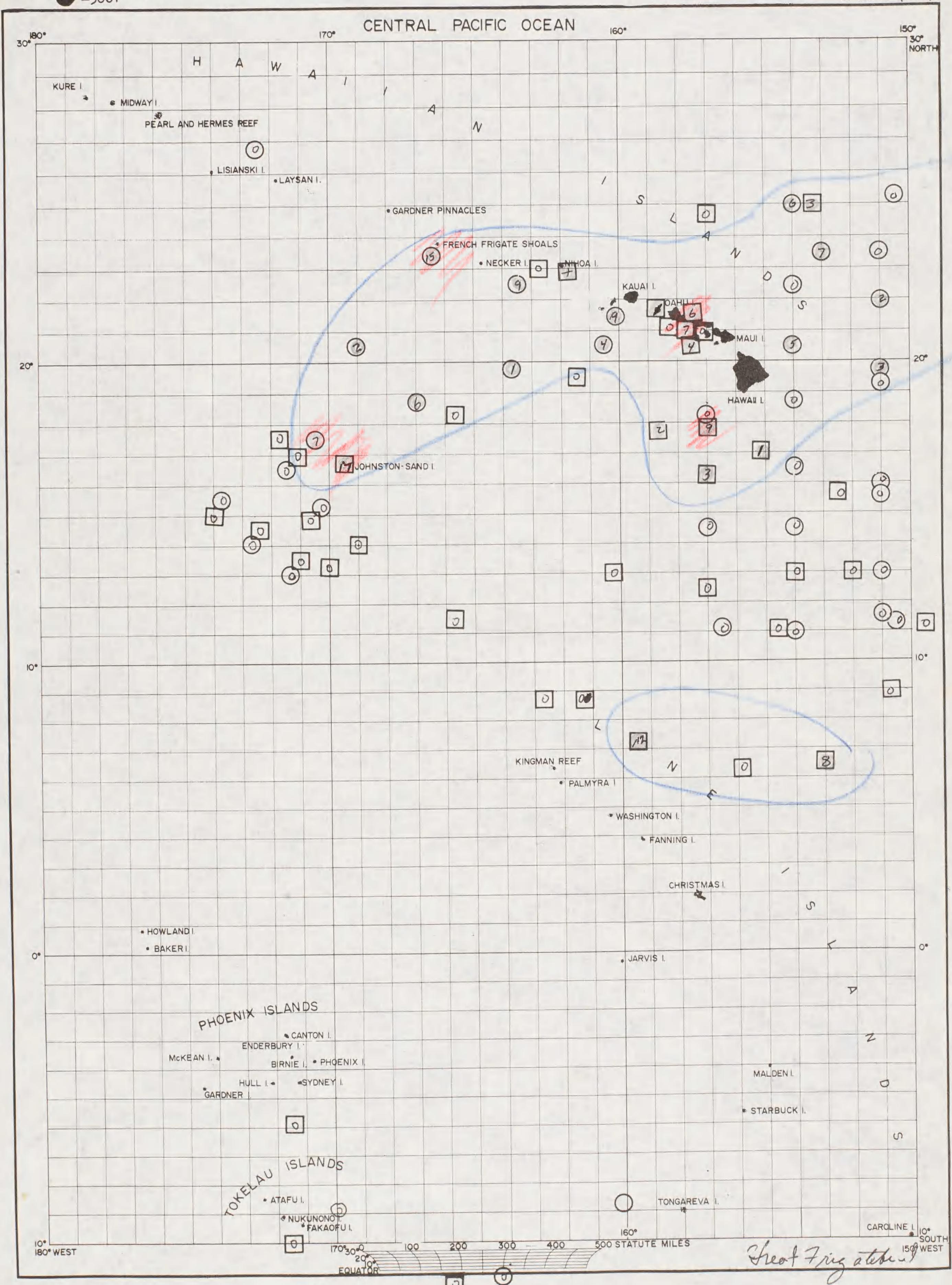
SI-MNH-38 (8-65)



= 1-15 June
 = 16-31 June
 = 0 birds
 = 1-10 " "
 = 11-25 "
 = 26-50 "
 = 51-100 "
 = 101-500 "
 = 500+ "

JUNE

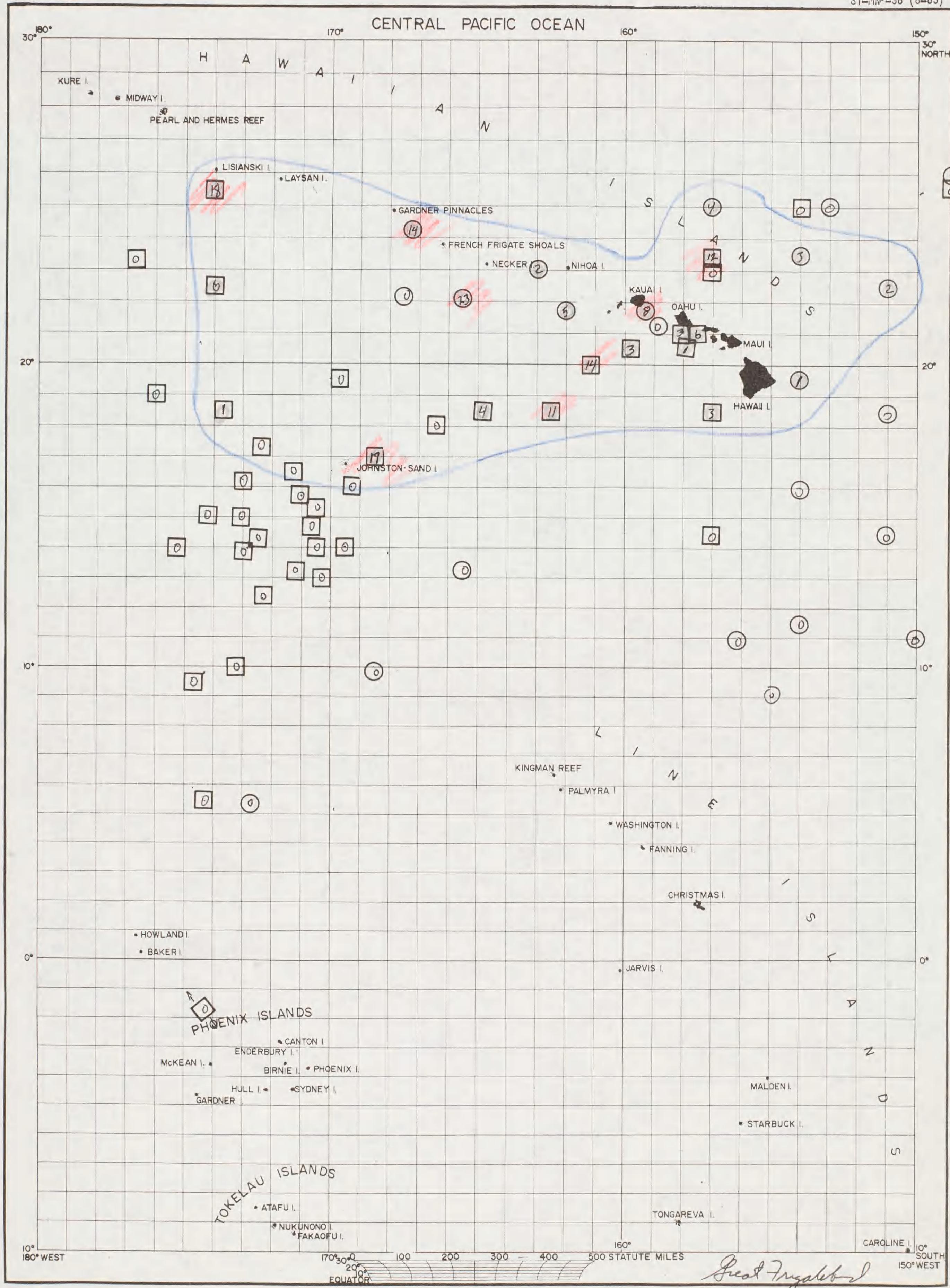
S1-MNH-38 (8-65)



- = 1-15 July
- = 16-31 July
- = 0 birds
- = 1-10 birds
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

JULY

SI-MN-38 (8-65)



= 1-15 August

= 16-31 August

= 0 birds

= 1-10 "

= 11-25 "

= 26-50 "

= 51-100 "

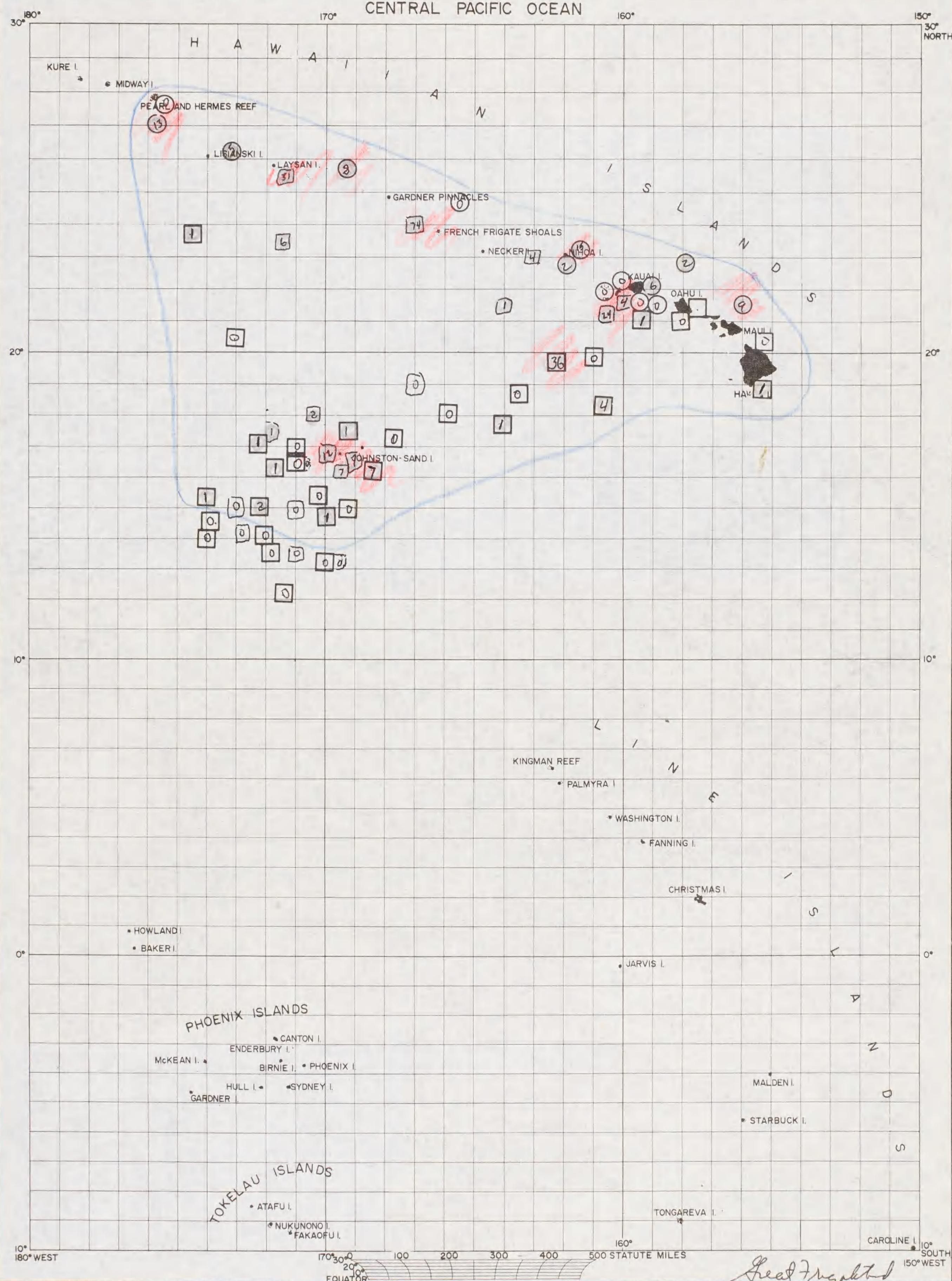
= 101-500 "

= 500+ "

AUGUST

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN



□ = 1-15 September

○ = 16-31 September

○ = 0 birds

Ⓐ = 1-10 "

○ = 11-25 "

○ = 26-50 "

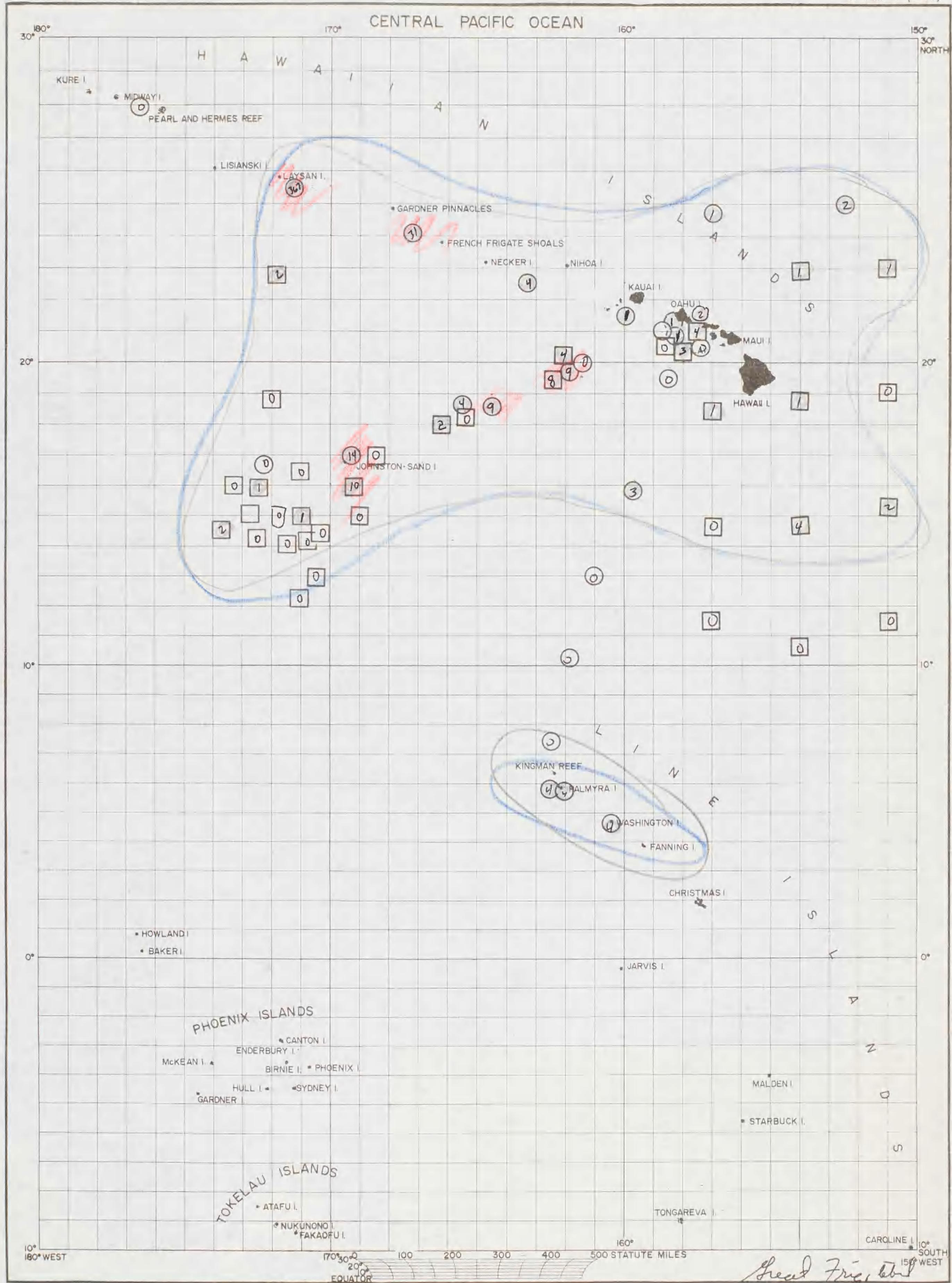
○ = 51-100 "

● = 101-500 "

● = 500+ "

SEPTEMBER

SI-MNH-38 (8-65)



Lead Frig, abt

□ = 1-15 October

○ = 16-31 October

○ = 0 birds

④ = 1-10 "

○ = 11-25 "

○ = 26-50 "

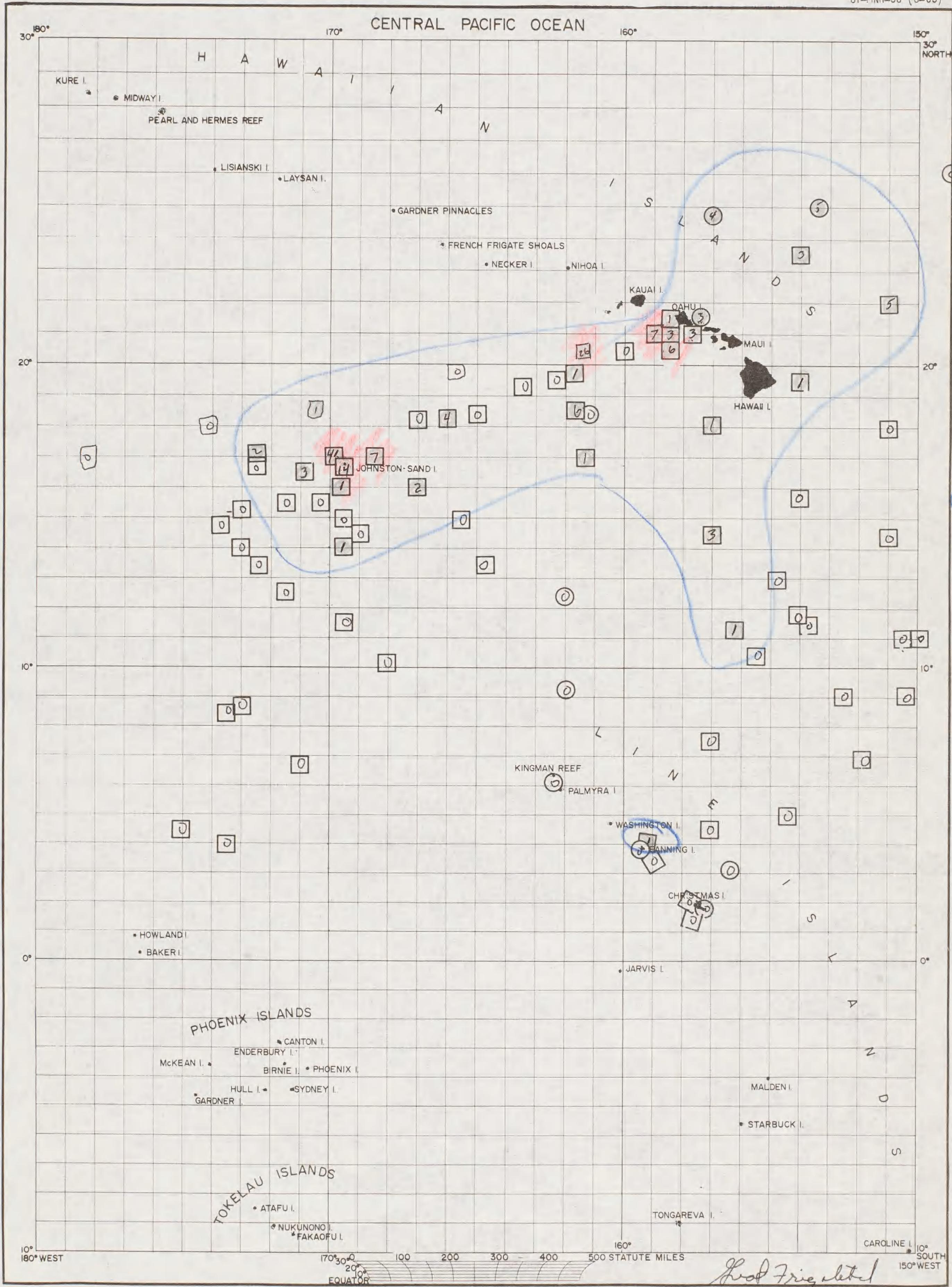
○ = 51-100 "

● = 101-500 "

● = 500+ "

OCTOBER

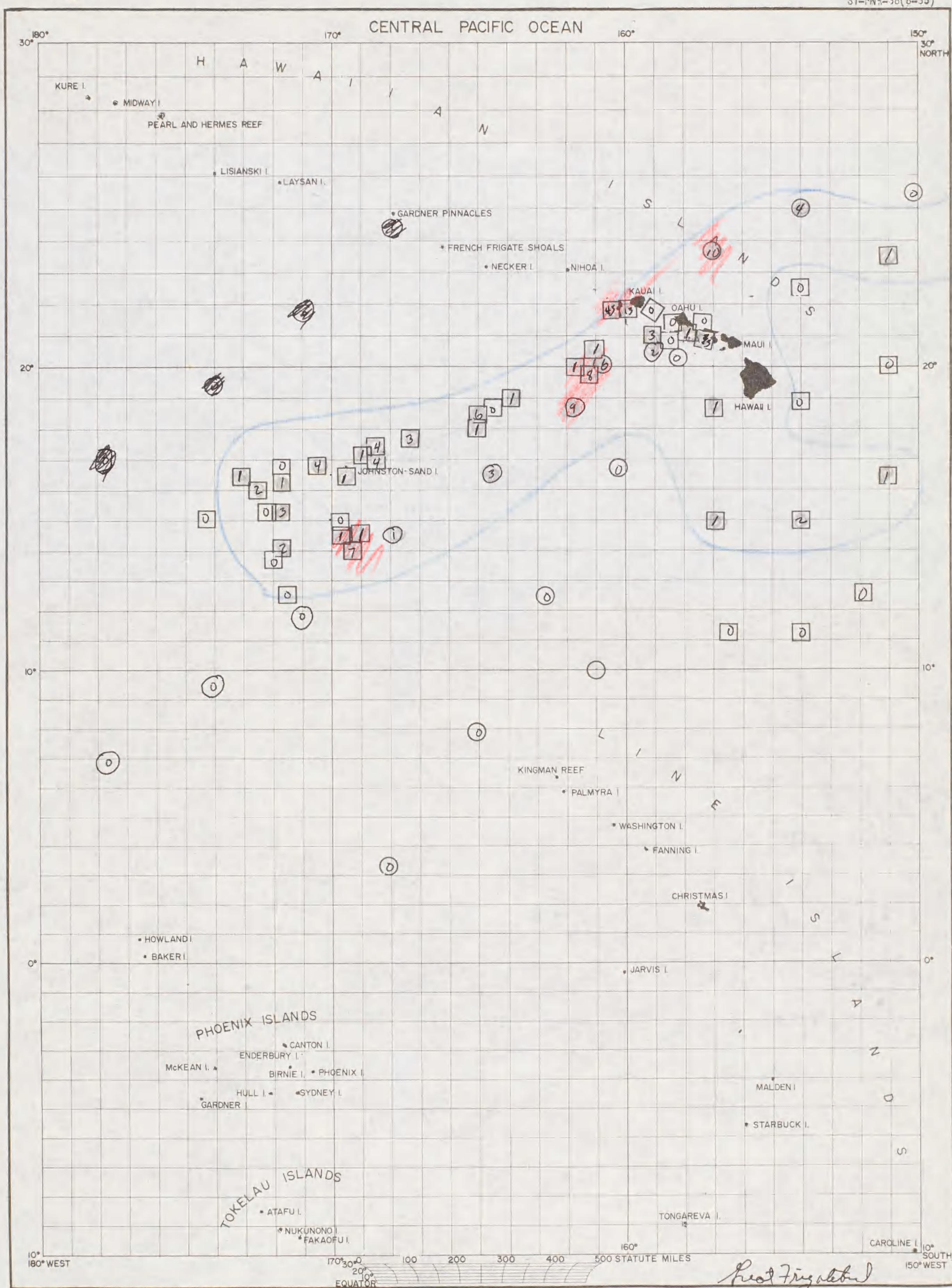
SI-MNH-38 (8-65)



- = 1-15 November
- = 16-31 November
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

NOVEMBER

SI-MNH-38(8-55)

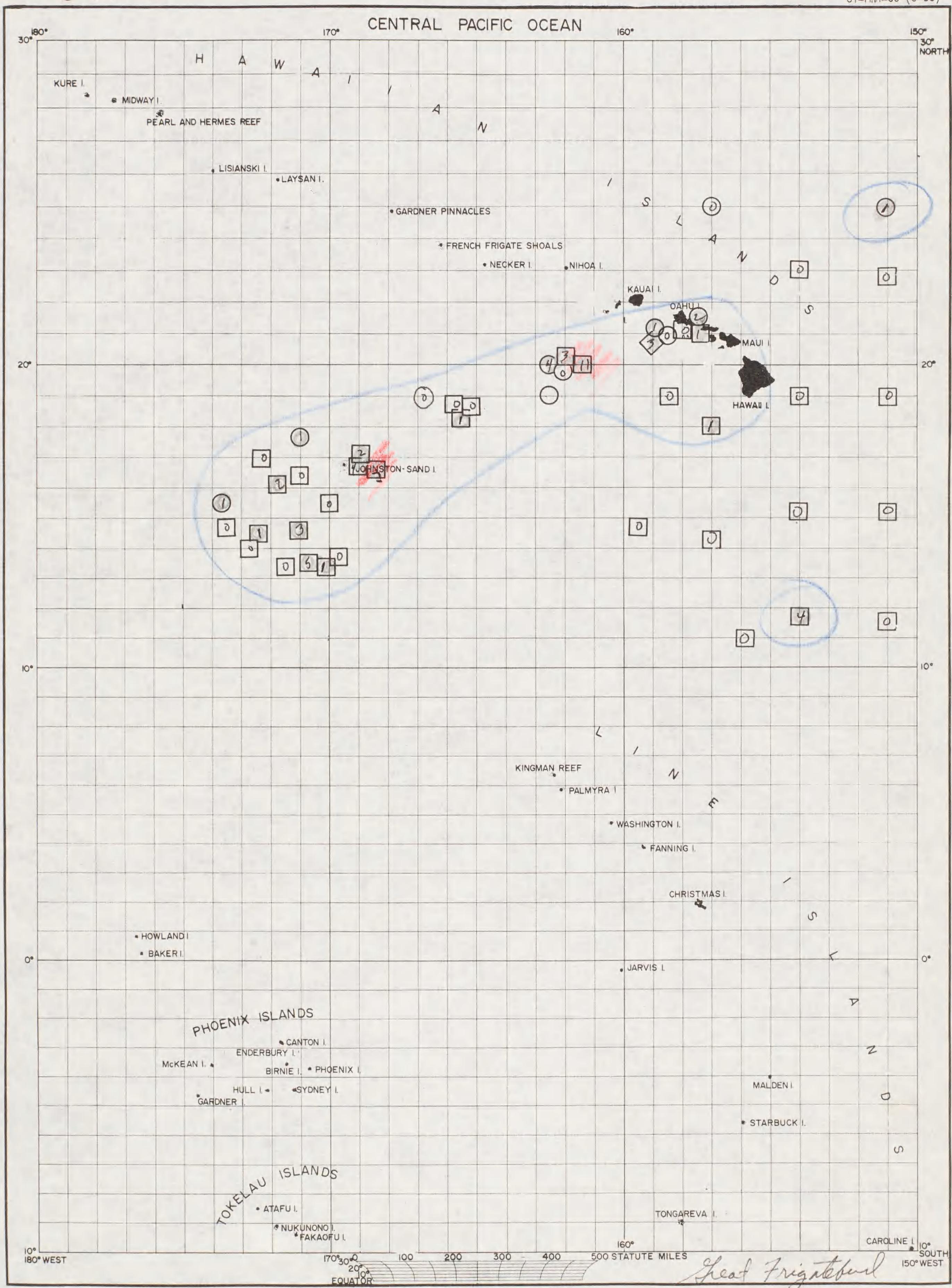


Heat Frigation

- = 1-15 December
- = 16-31 December
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

DECEMBER

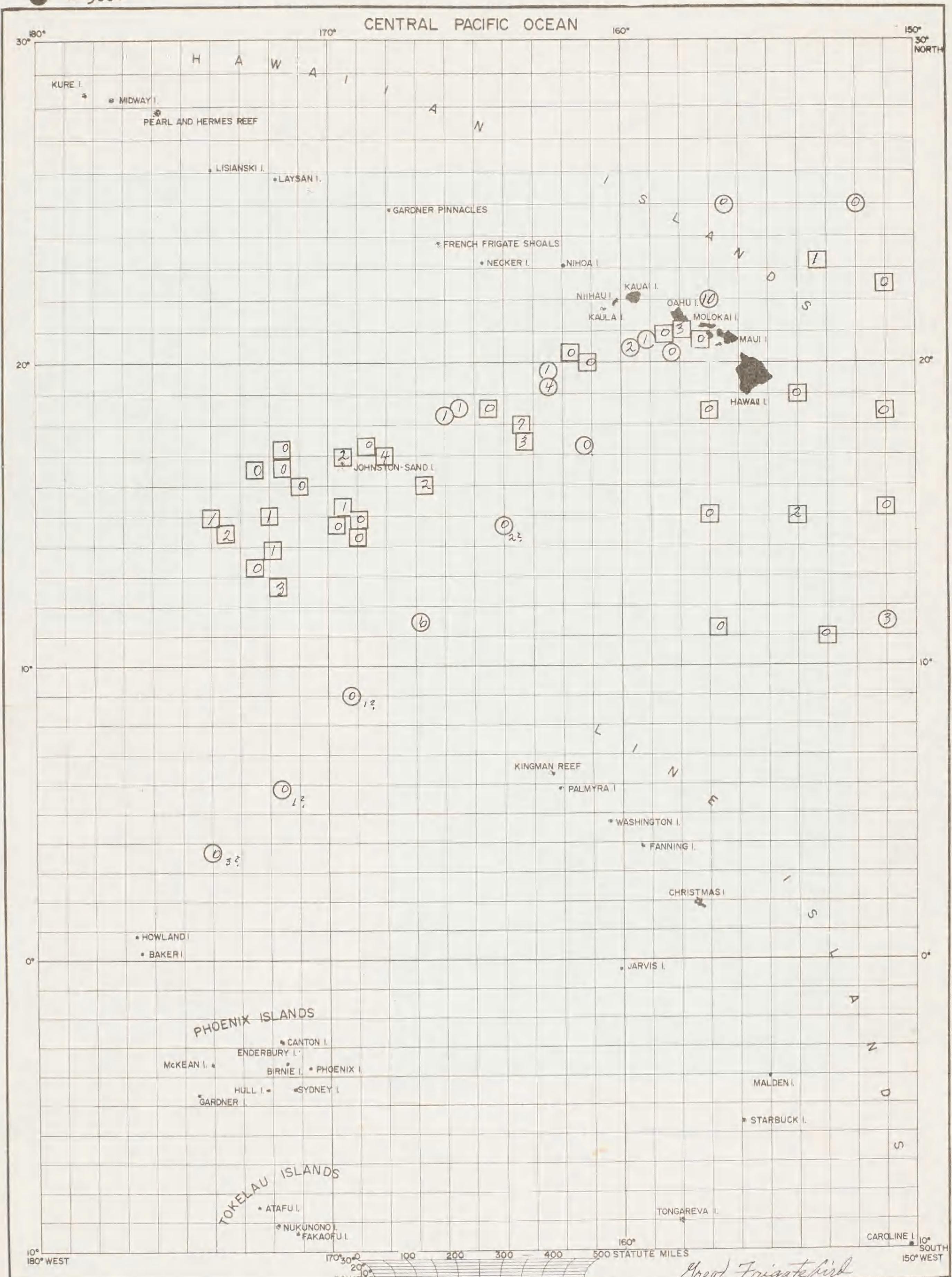
SI-MMH-38 (8-65)



- = 1-15 January
- = 16-31 January
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

JANUARY

SI-MN-38 (REV. 9-65)



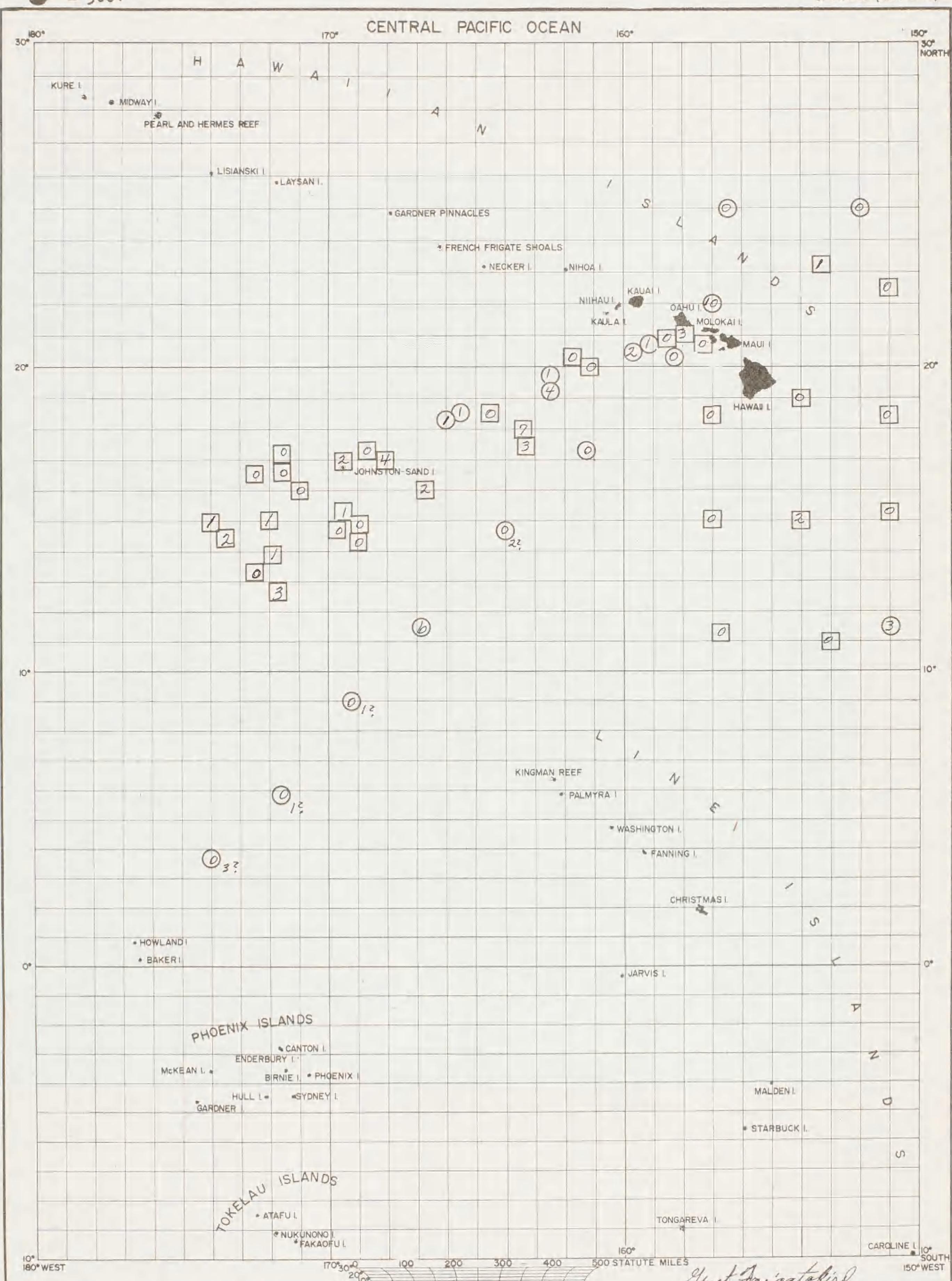
Great Frigatebird

? = doubtful species

- = 1-15 January
- = 16-31 January
- = 0 birds
- (4) = 1-10 "
- (11) = 11-25 "
- (11) = 26-50 "
- (11) = 51-100 "
- (11) = 101-500 "
- (11) = 500+ "

JANUARY

SI-MN4-38 (REV. 9-65)



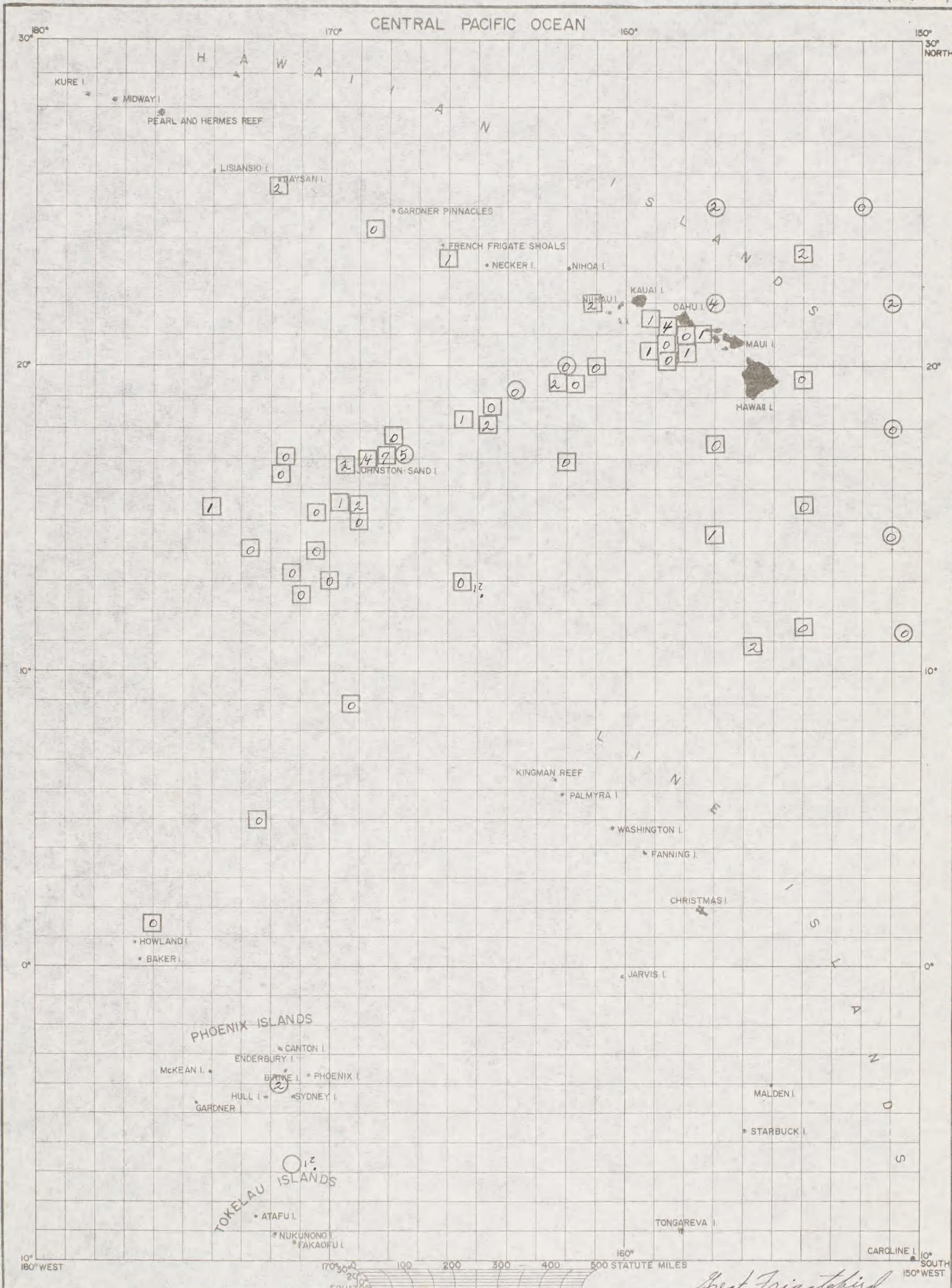
Great Frigatebird

? = doubtful species

- = 1-15 February
- = 16-31 February
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

FEBRUARY

SI-MNH-38 (REV. 9-65)

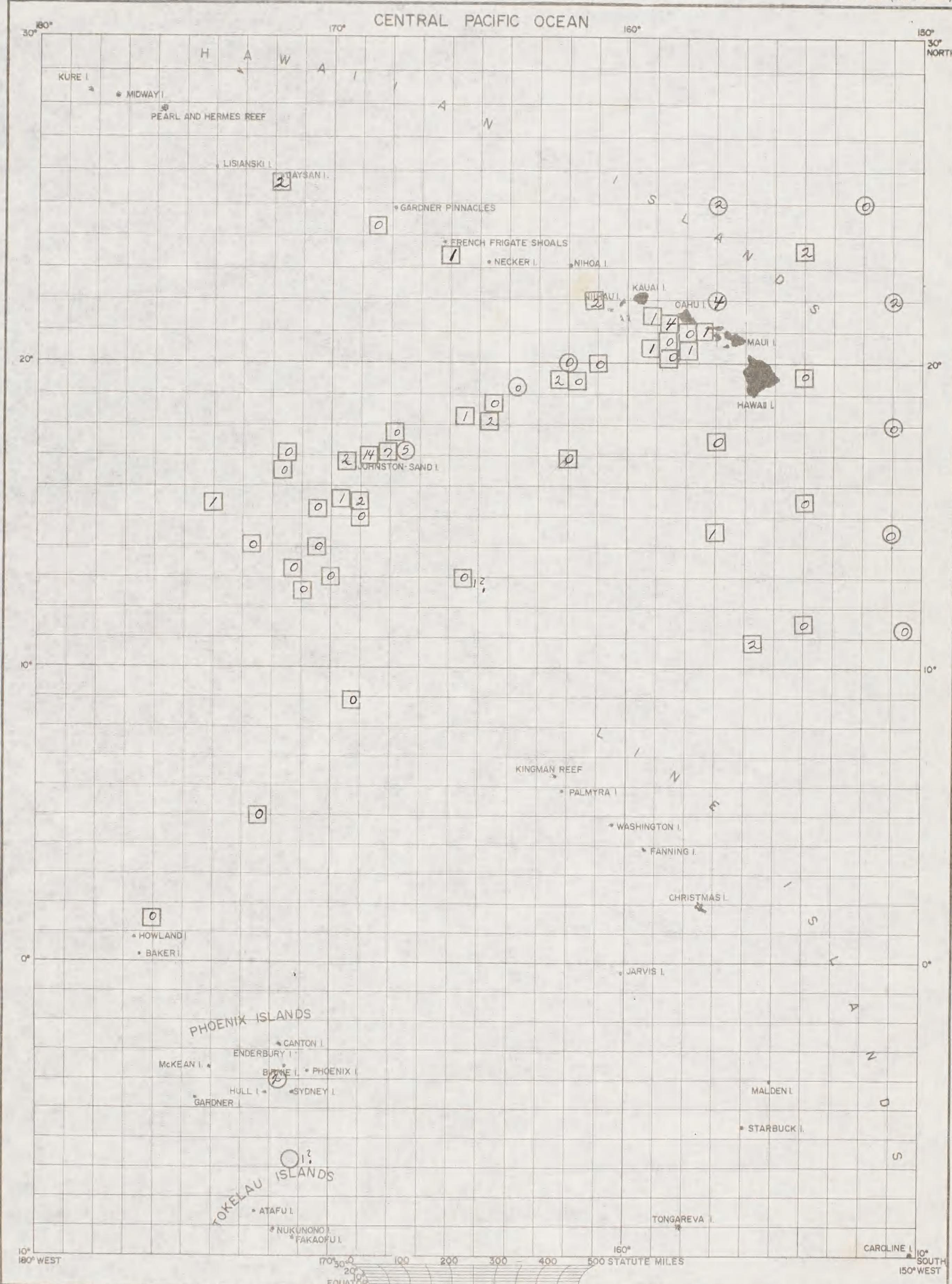


Great Frigatebird

- = 1-15 February
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- = 101-500 "
- = 500+ "

FEBRUARY

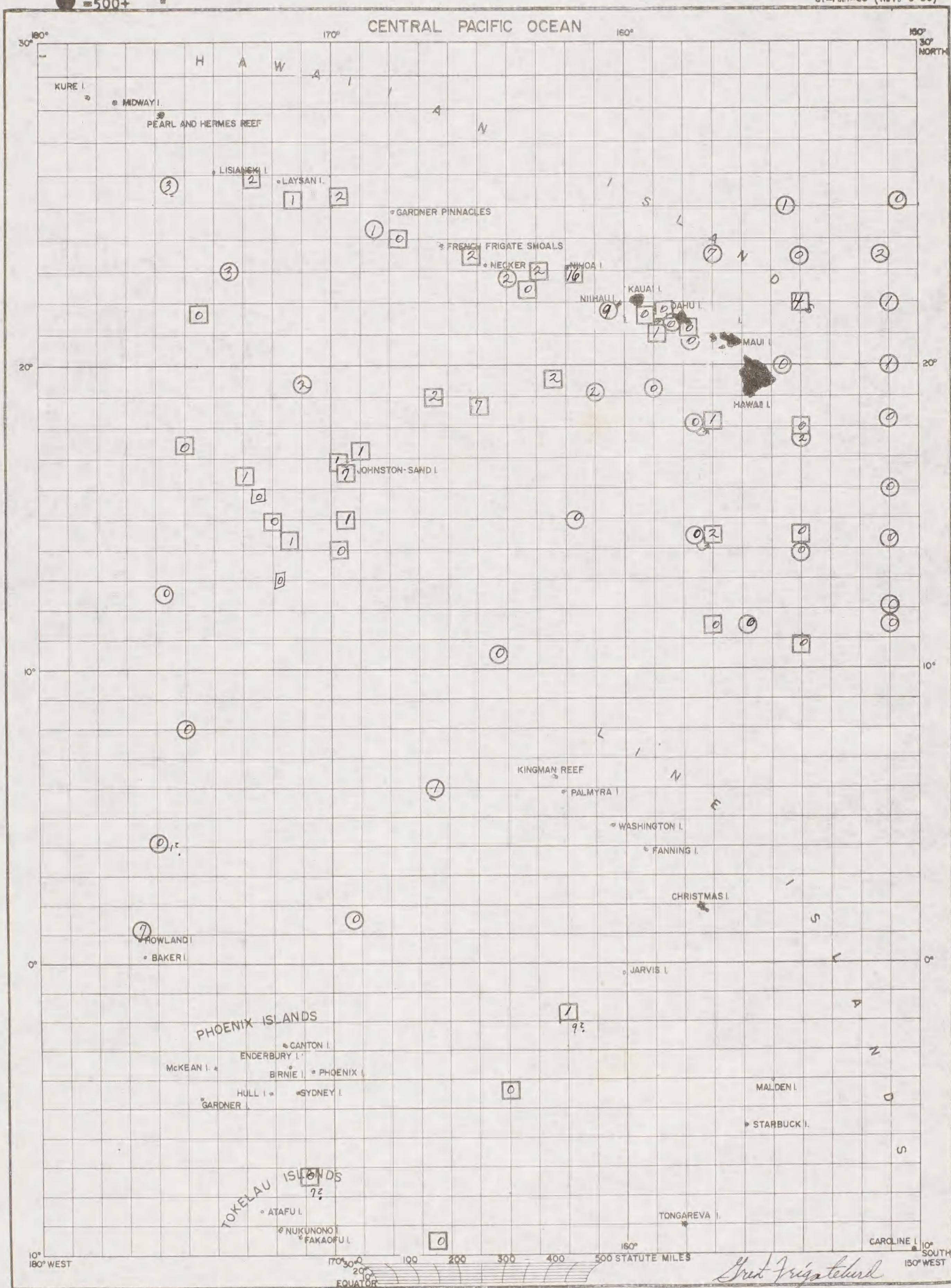
SI-MNH-38 (REV. 9-65)



- = 1-15 March
- = 16-31 March
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
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- = 101-500 "
- = 500+ "

MARCH

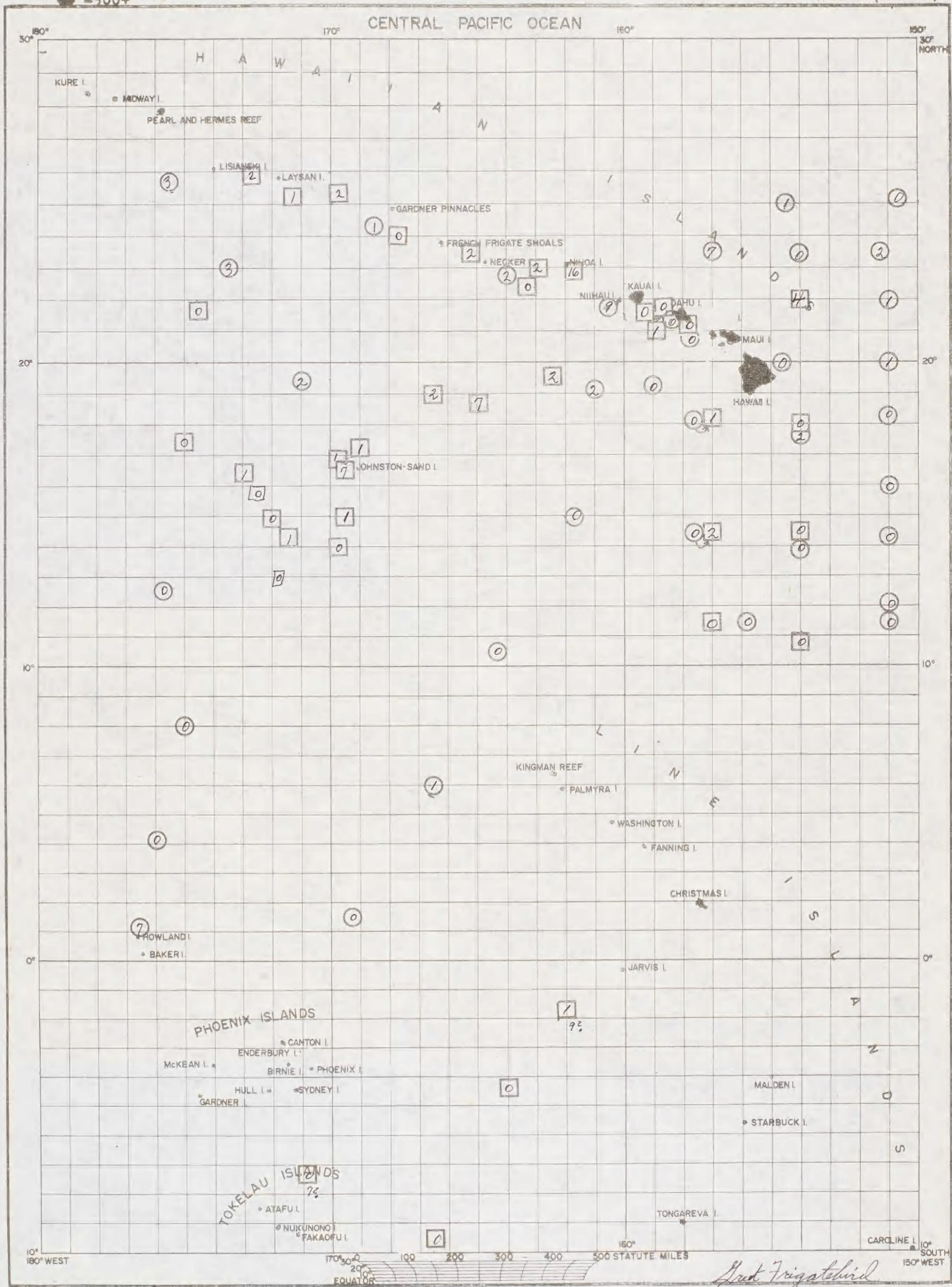
SI-MNH-38 (REV. 9-65)



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- = 500+ "

MARCH

SI-MMH-88 (REV. 9-85)

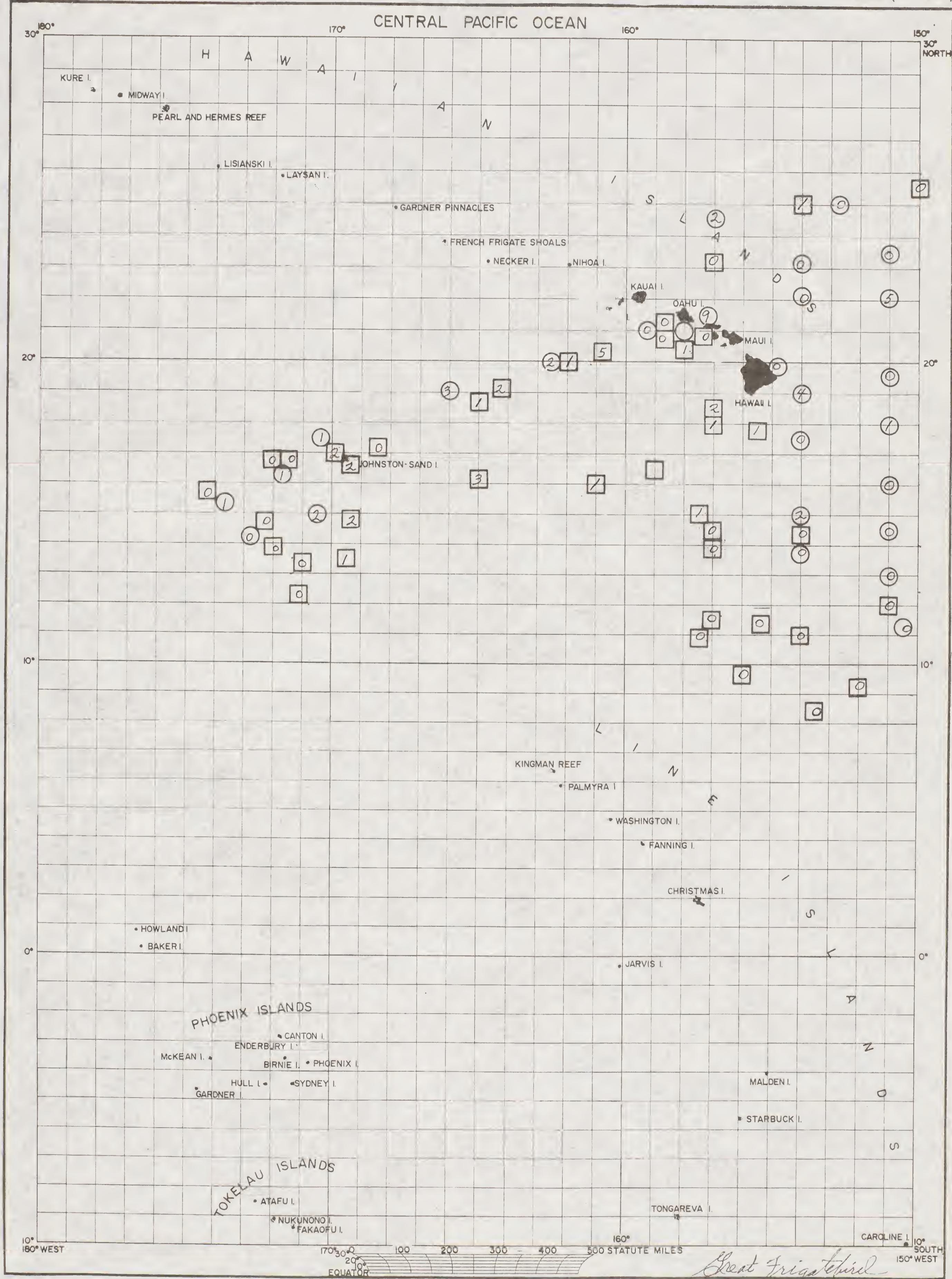


Gad Frigatbird

- = 1-15 April
- = 16-31 April
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- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 50-100 "
- = 101-500 "
- = 500+ "

APRIL

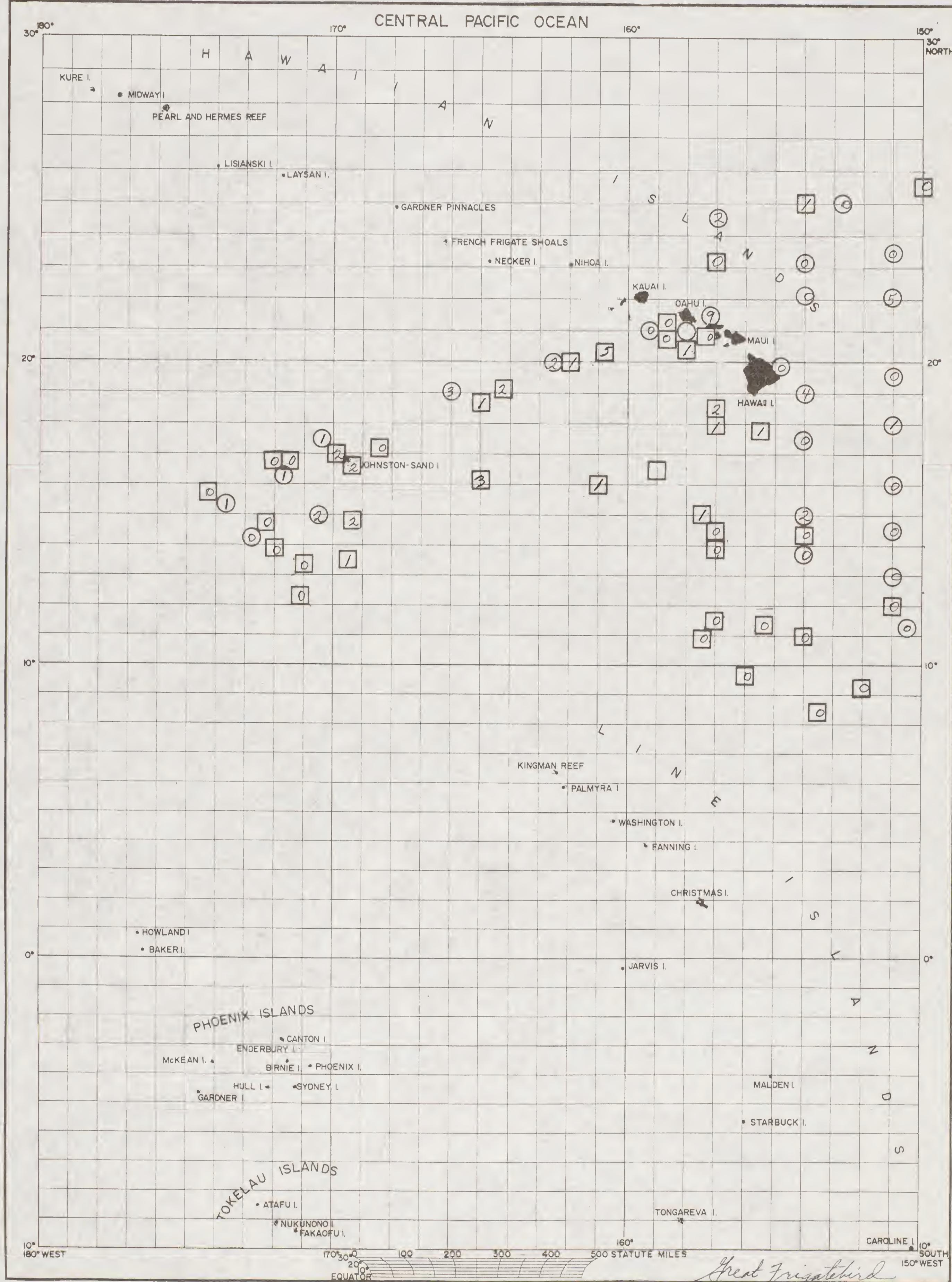
SI-MNH-38 (REV. 9-65)



- = 1-15 April
- = 16-31 April
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 50-100 "
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- = 500+ "

APRIL

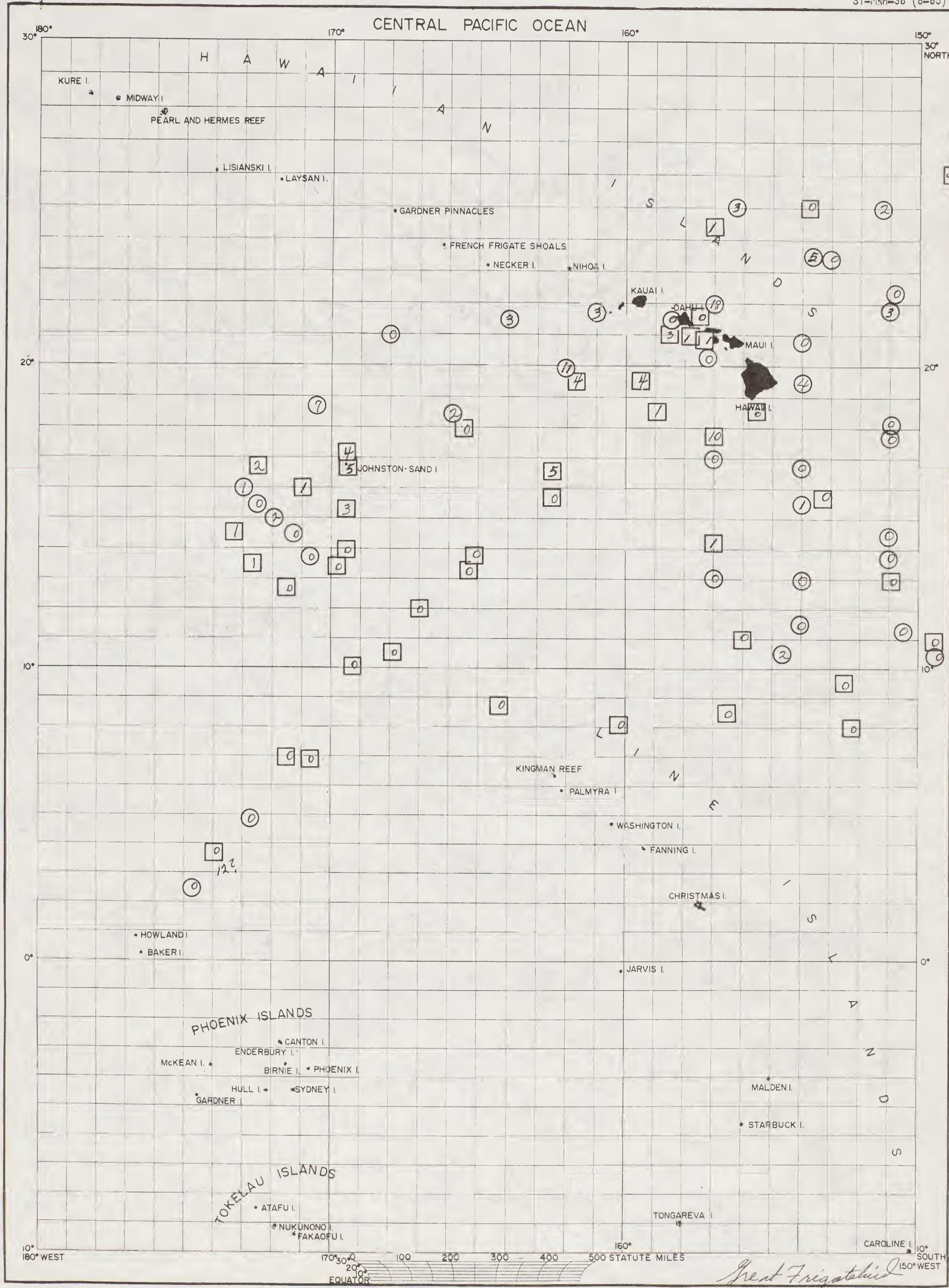
SI-MNH-38 (REV. 9-65)



- [] = 1-15 May
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- [○] = 0 birds
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- [○] = 26-50 "
- [○] = 51-100 "
- [●] = 101-500 "
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MAY

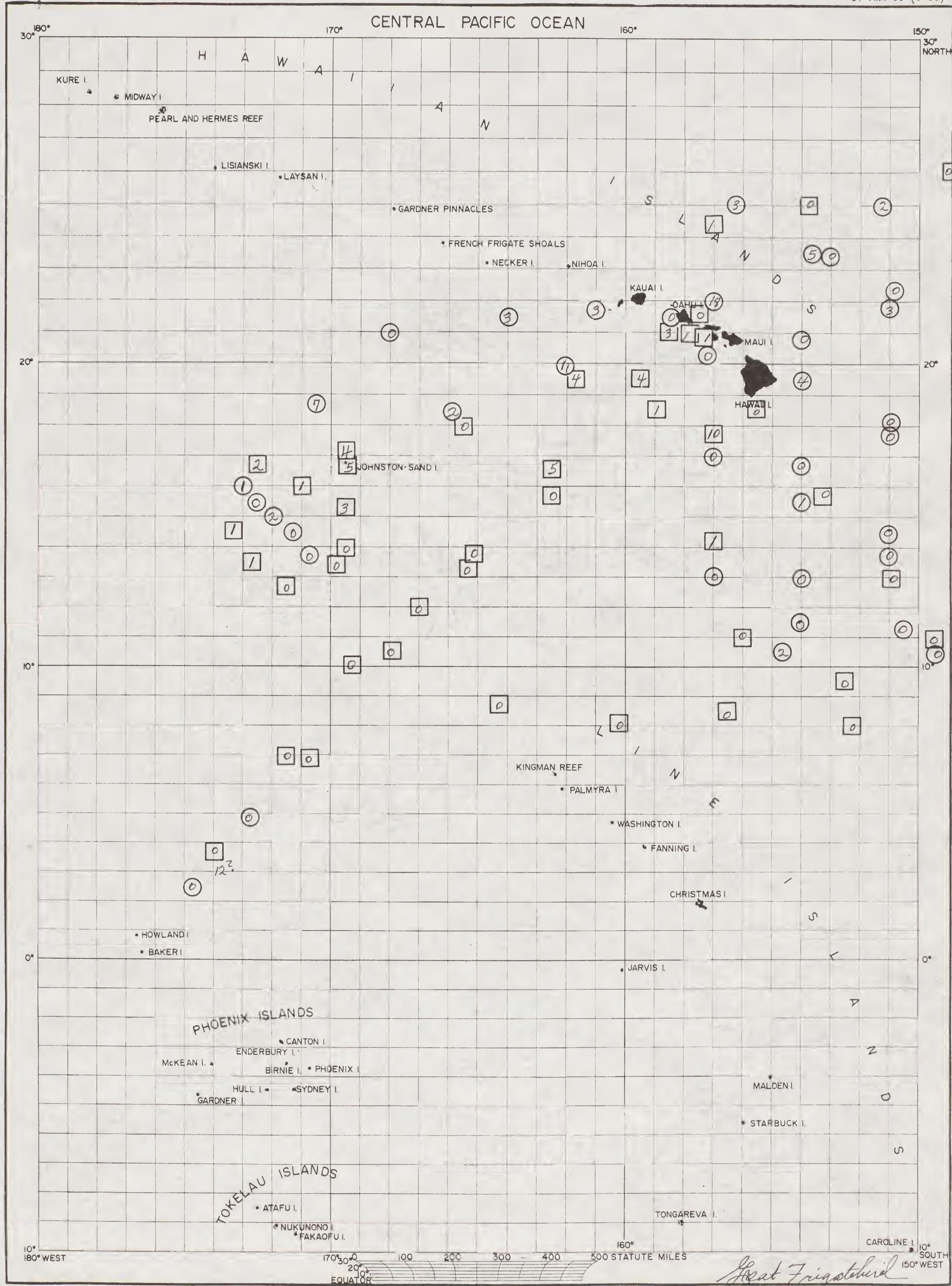
SI-MNH-38 (8-65)



- = 1-15 May
 ○ = 16-31 May
 ○ = 0 birds
④ = 1-10 "
 ○ = 11-25 "
 ○ = 26-50 "
 ○ = 51-100 "
 ● = 101-500 "
 ● = 500+ "

MAY

S I -MNH-38 (8-65)



= 1-15 June

= 16-31 June

= 0 birds

= 1-10 "

= 11-25 "

= 26-50 "

= 51-100 "

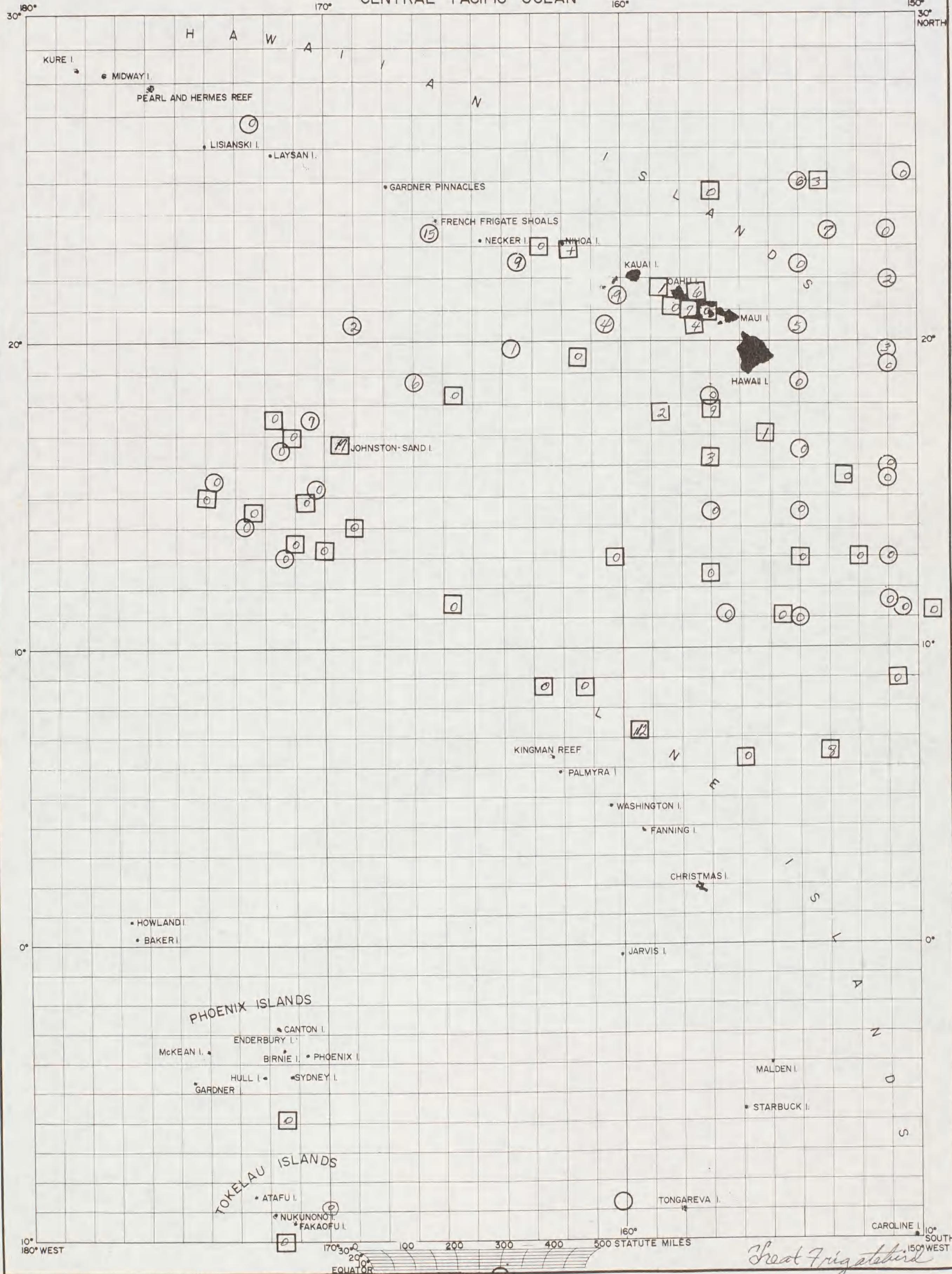
= 101-500 "

= 500+ "

JUNE

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

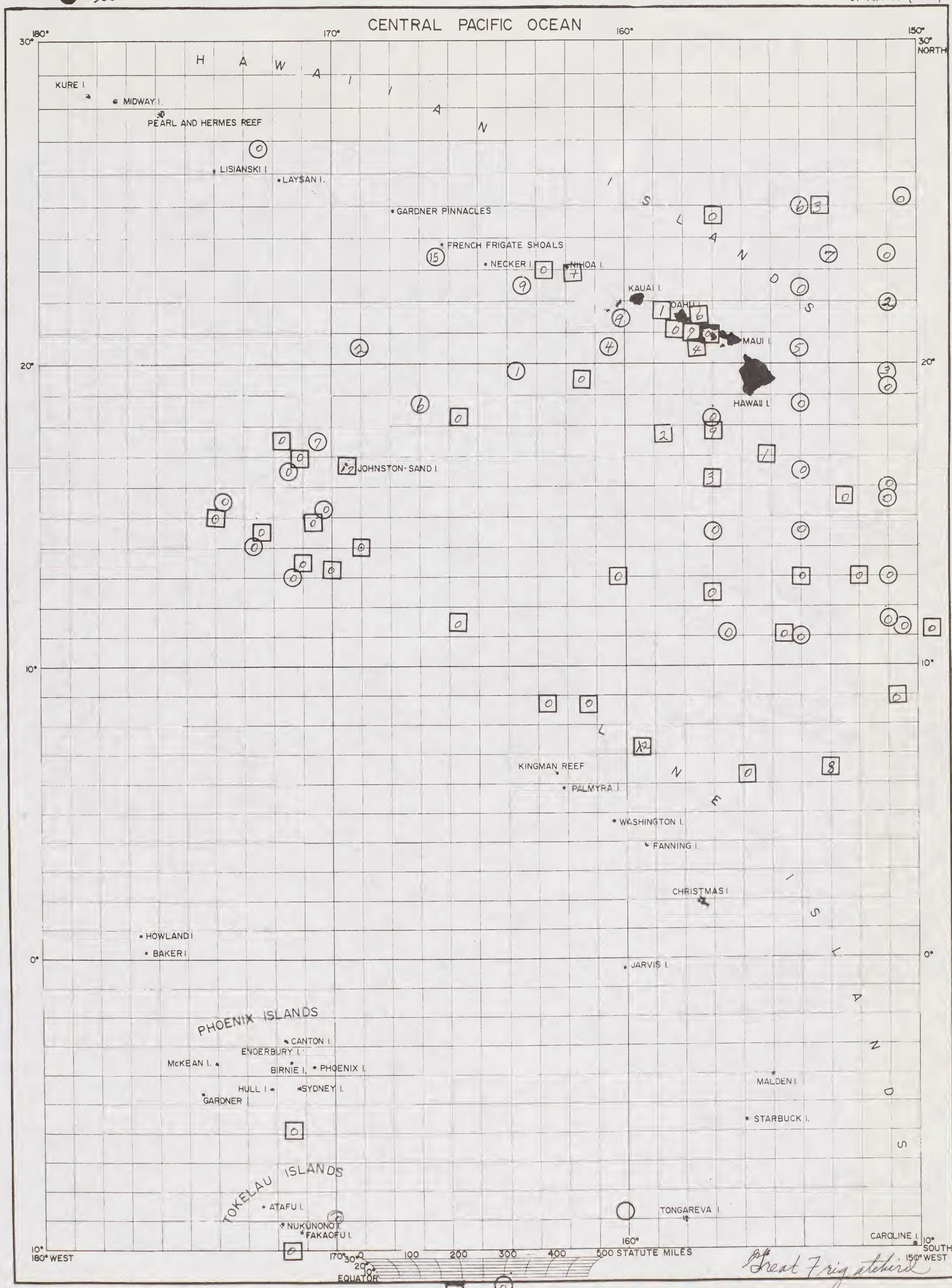


Great Frigatebird

- = 1-15 June
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- = 500+ "

JUNE

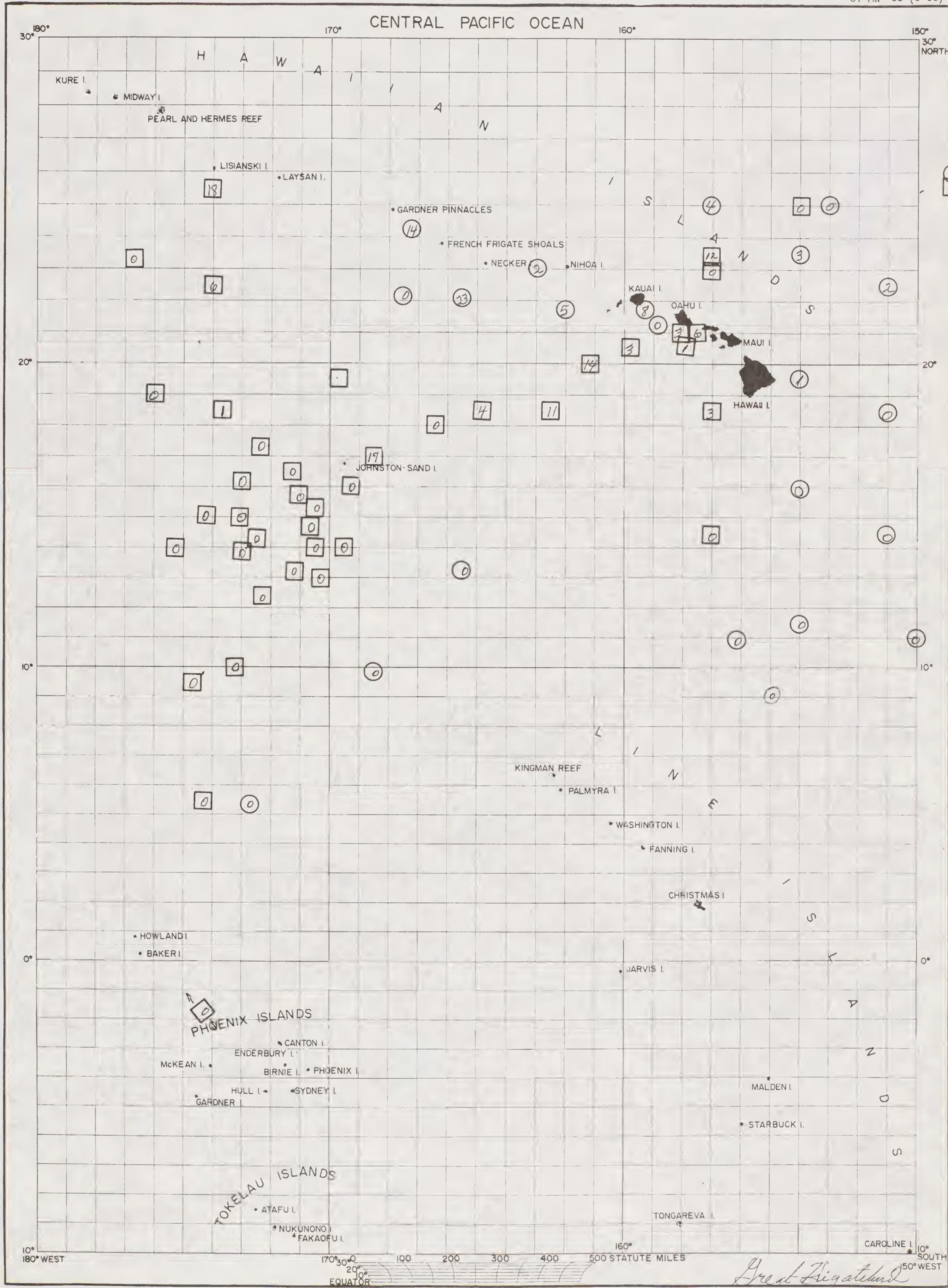
SI-MNH-38 (8-65)



- = 1-15 July
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- = 500+ "

JULY

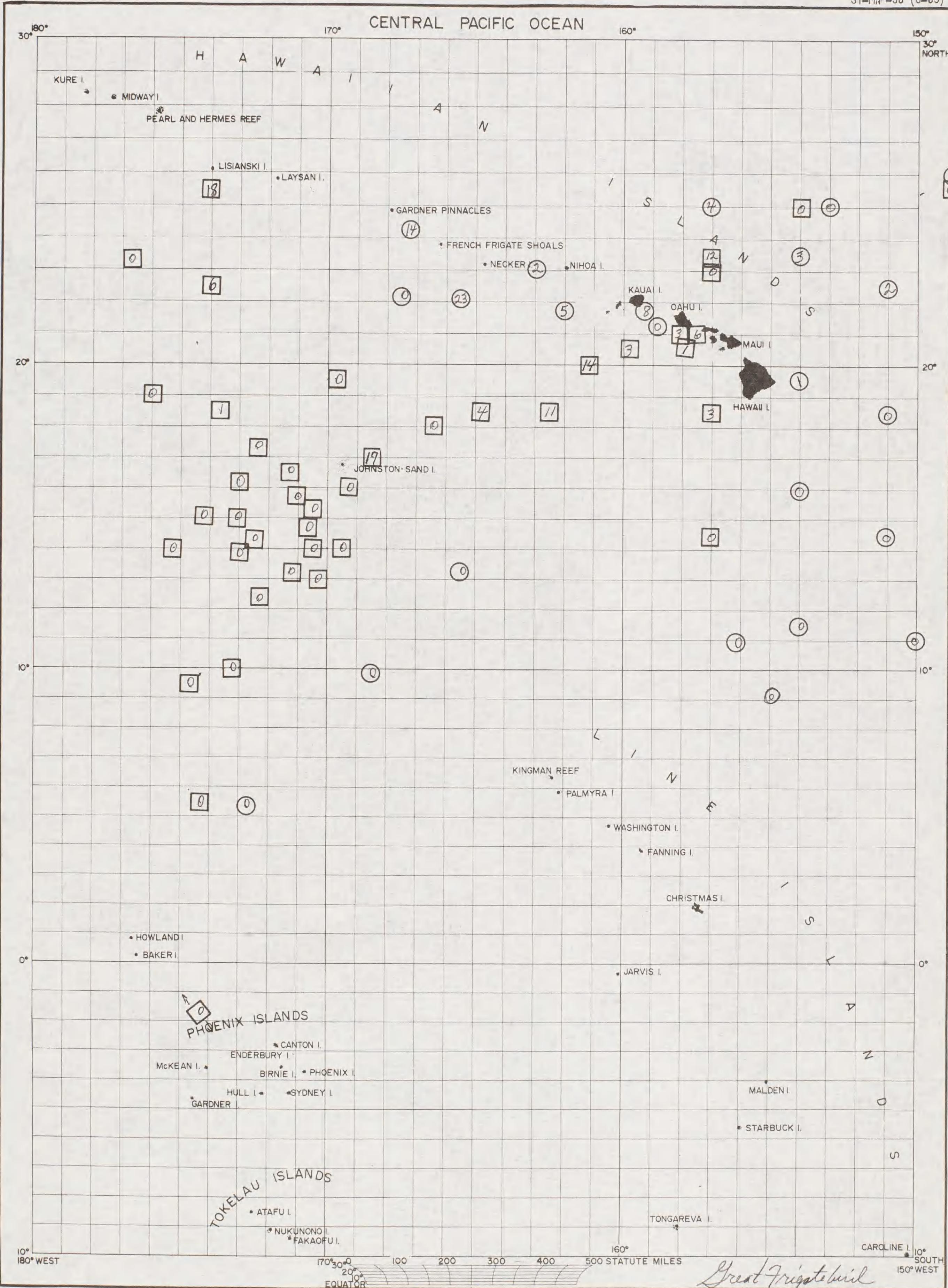
SI-MN-38 (8-65)



- = 1-15 July
- = 16-31 July
- = 0 birds
- = 1-10 birds
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

JULY

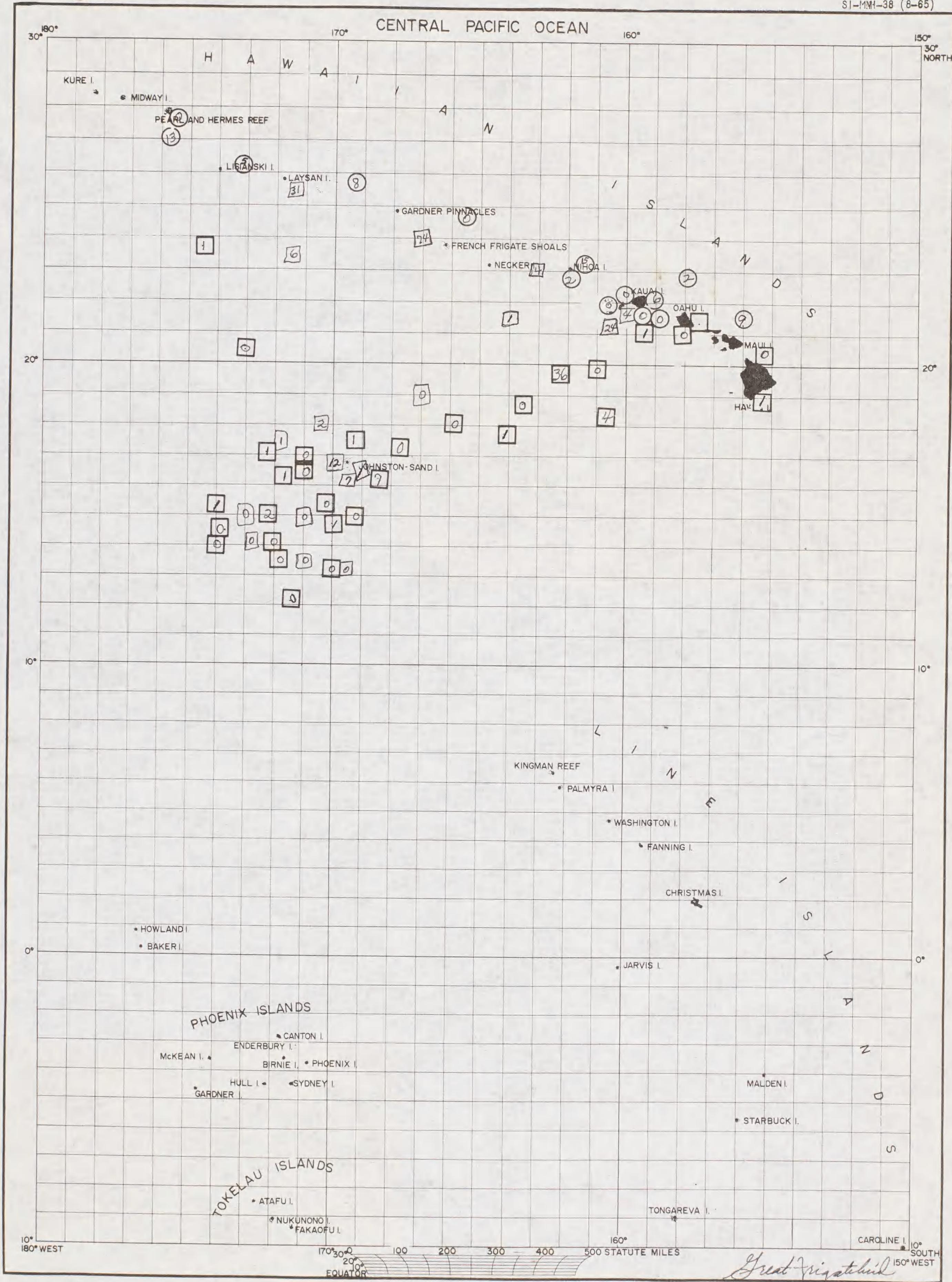
SIMM-38 (8-65)



- = 1-15 August
- = 16-31 August
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

AUGUST

SI-MMI-38 (8-65)

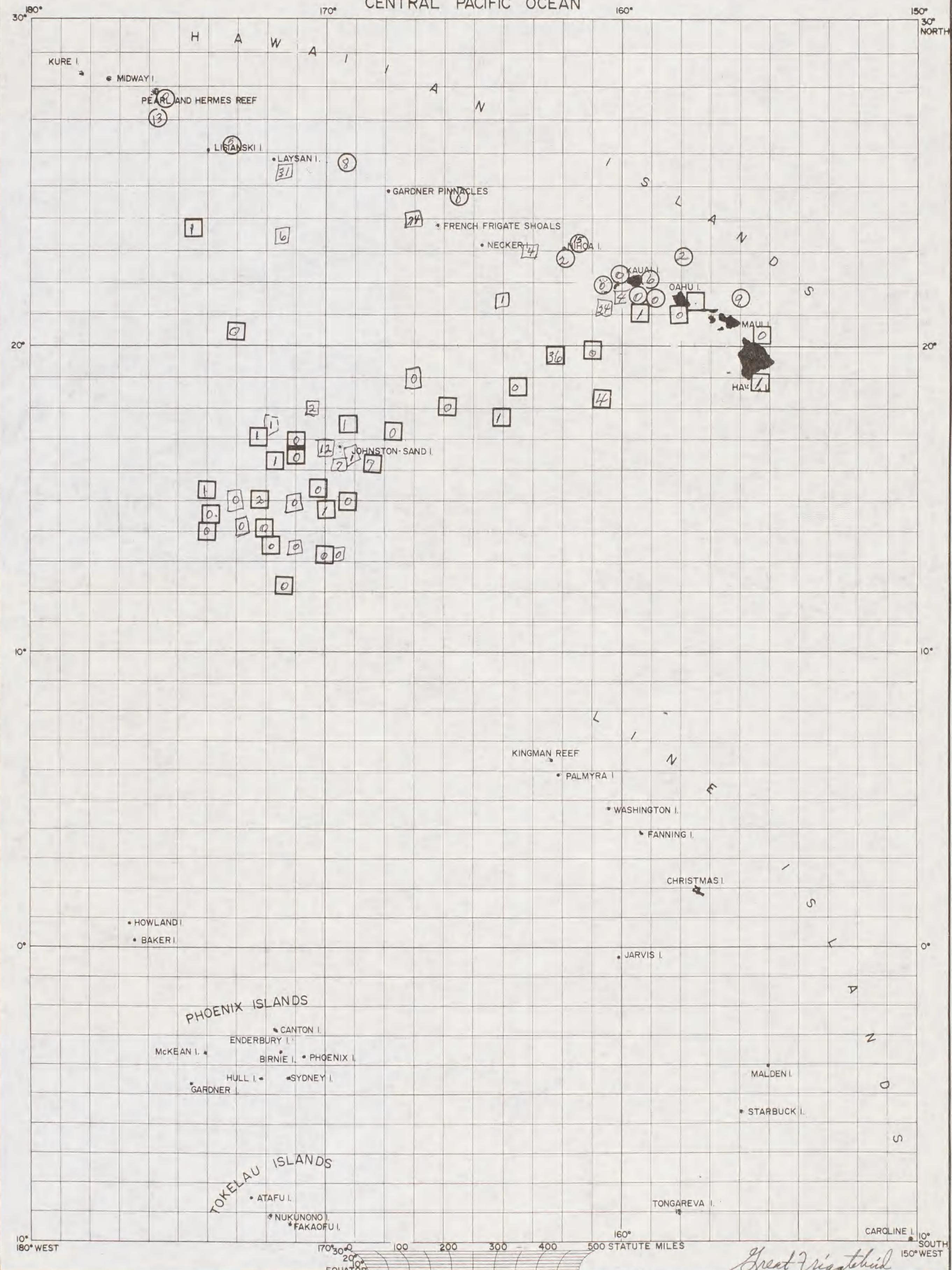


- = 1-15 August
- = 16-31 August
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

AUGUST

SI-MMH-38 (8-65)

CENTRAL PACIFIC OCEAN



Great Frigatebird

10° SOUTH

150° WEST

= 1-15 September

= 16-31 September

= 0 birds

= 1-10 "

= 11-25 "

= 26-50 "

= 51-100 "

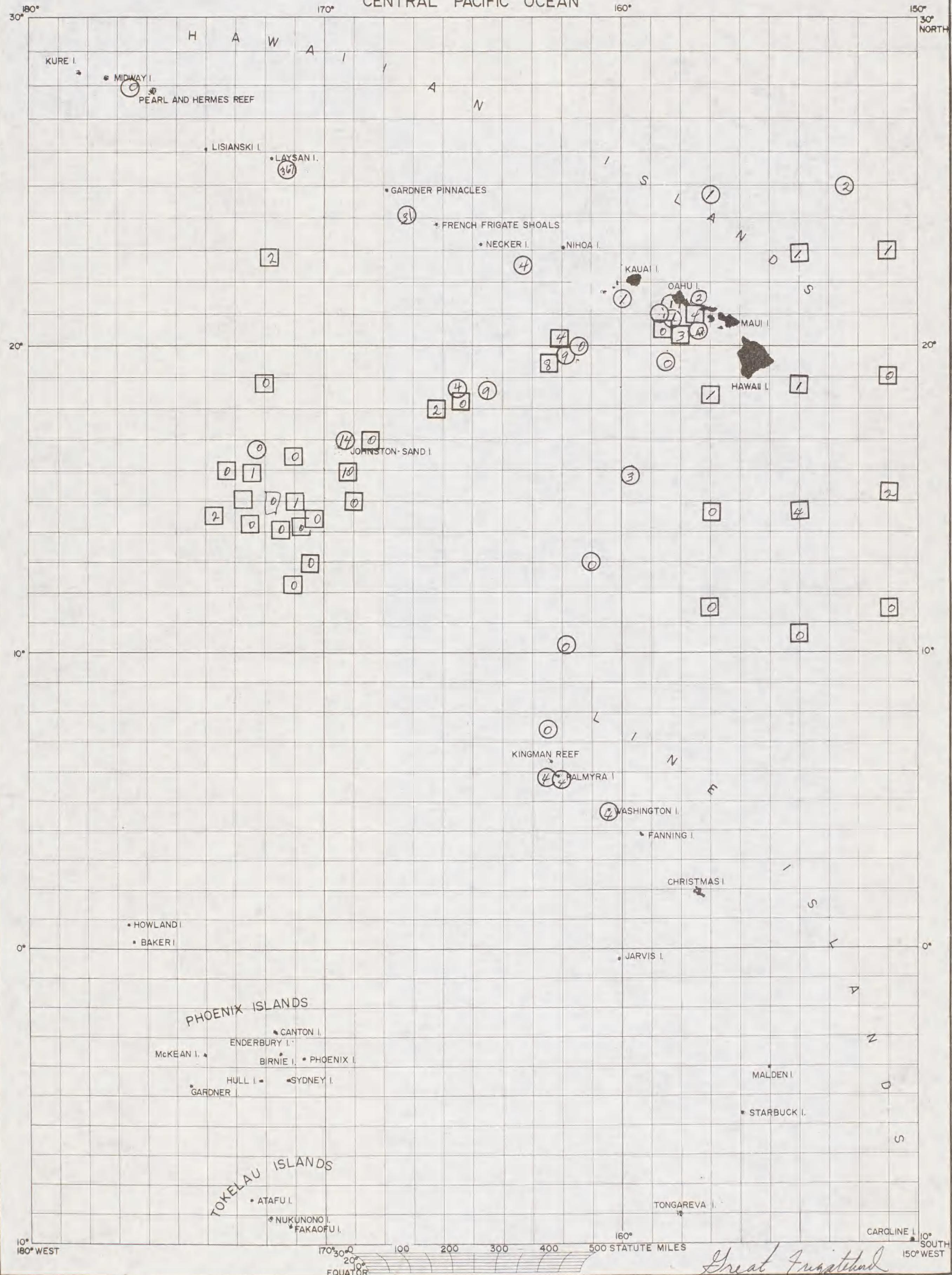
= 101-500 "

= 500+ "

SEPTEMBER

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN



= 1-15 September

= 16-31 September

= 0 birds

= 1-10 "

= 11-25 "

= 26-50 "

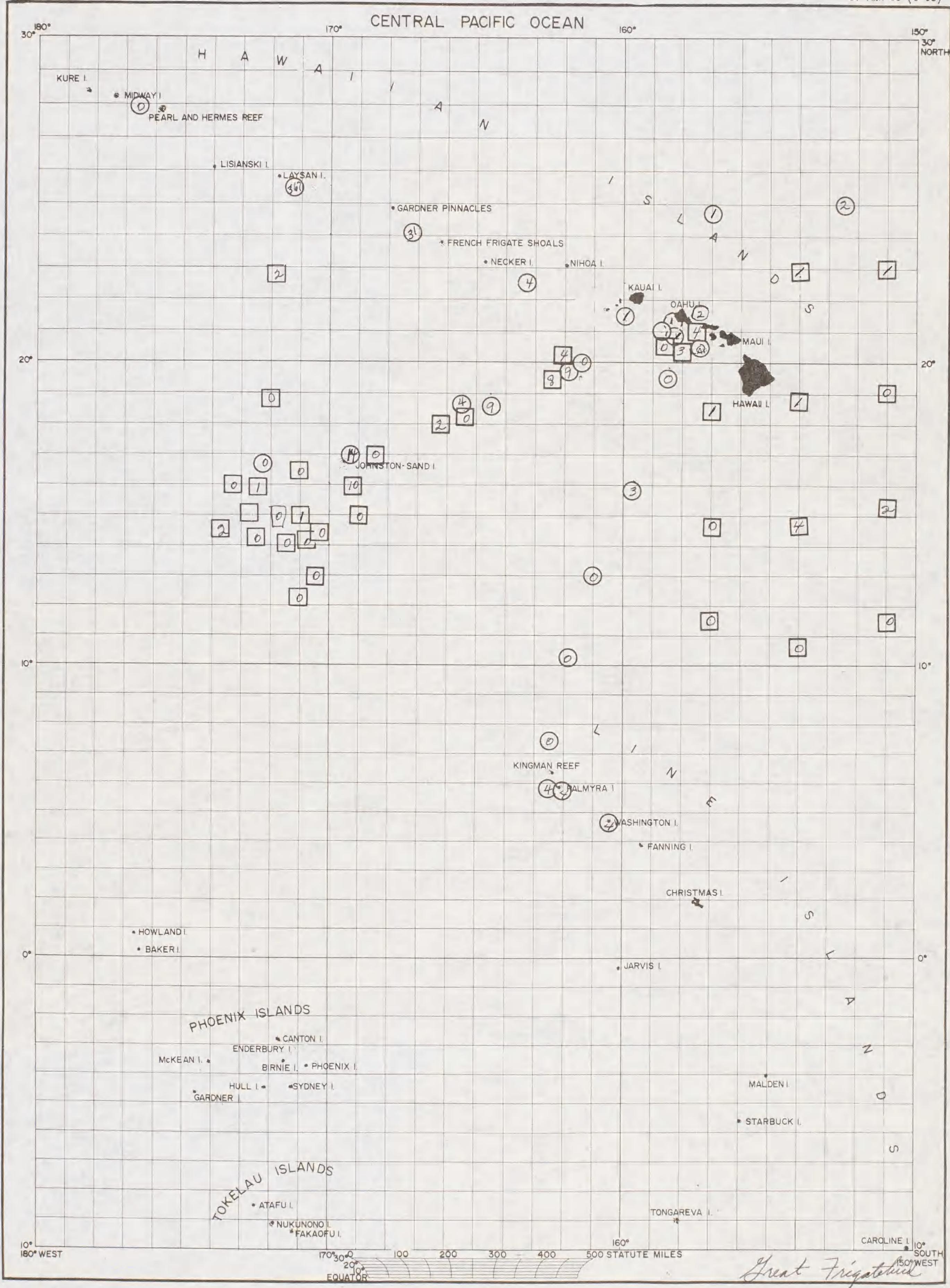
= 51-100 "

= 101-500 "

= 500+ "

SEPTEMBER

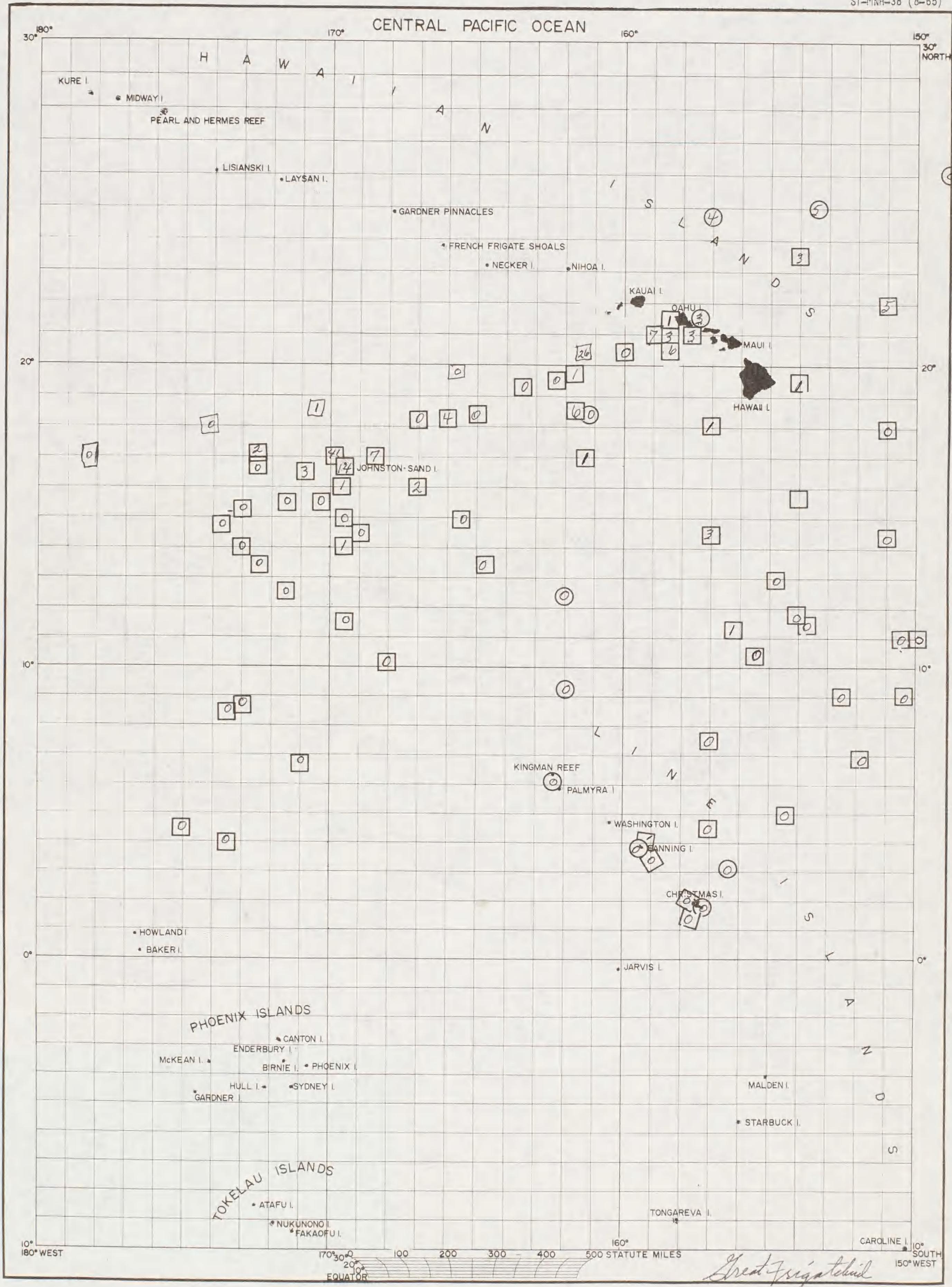
SI-MNH-38 (8-65)



- = 1-15 October
- = 16-31 October
- = 0 birds
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- = 26-50 "
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- = 500+ "

OCTOBER

SI-MNH-38 (8-65)

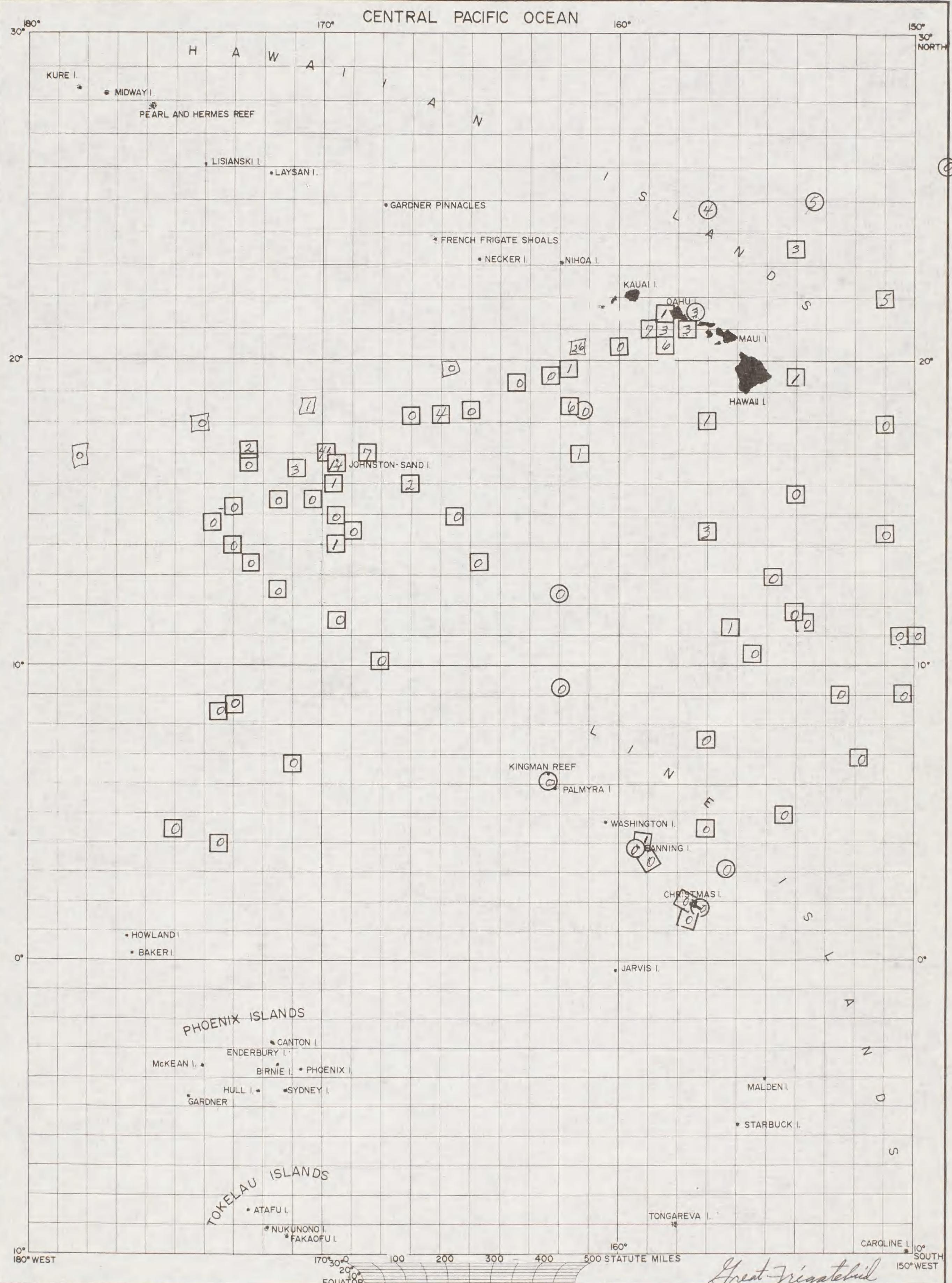


- = 1-15 October
- = 16-31 October
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

OCTOBER

SI-MNH-38 (8-65)

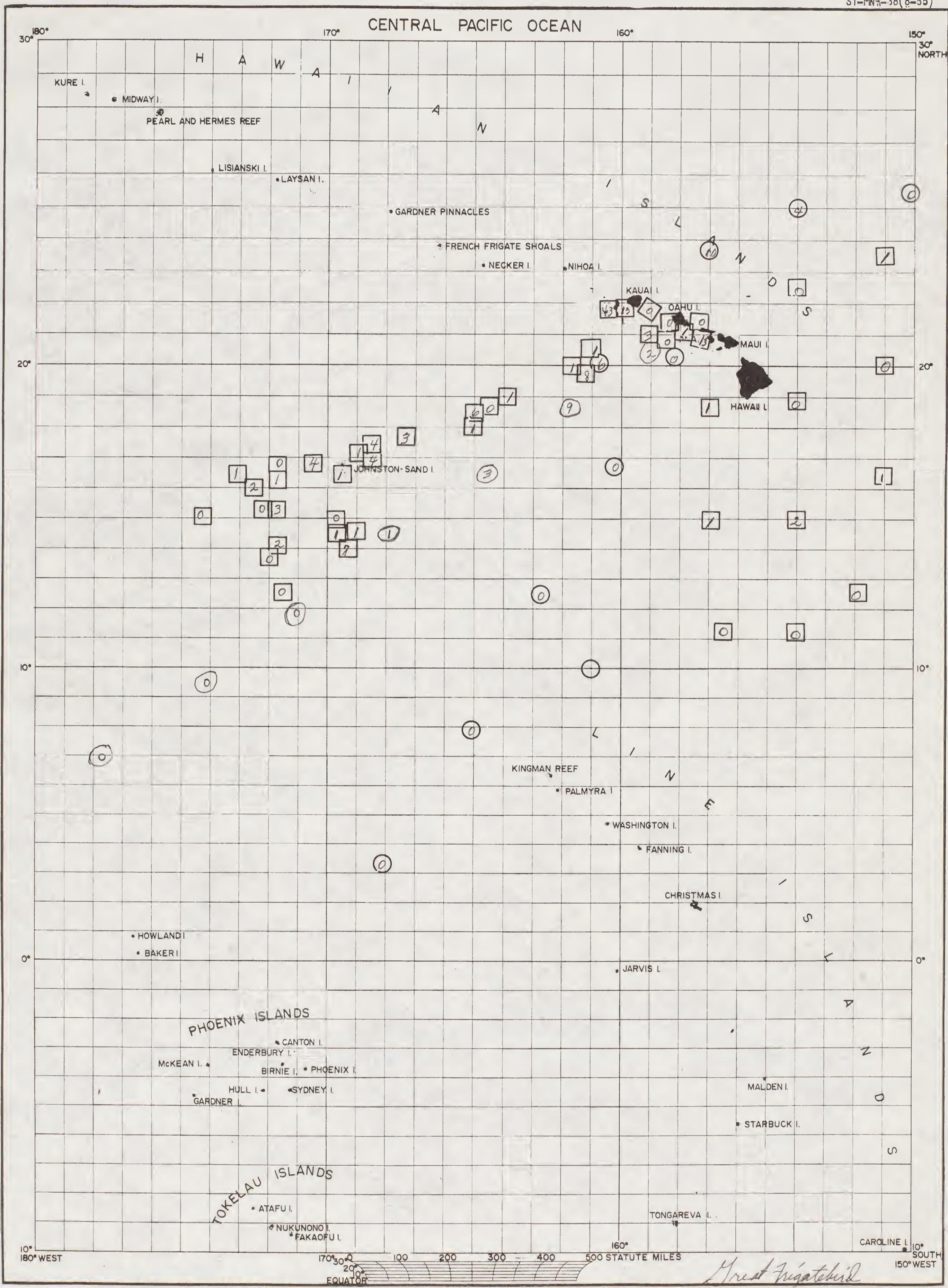
CENTRAL PACIFIC OCEAN



- = 1-15 November
- = 16-31 November
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

NOVEMBER

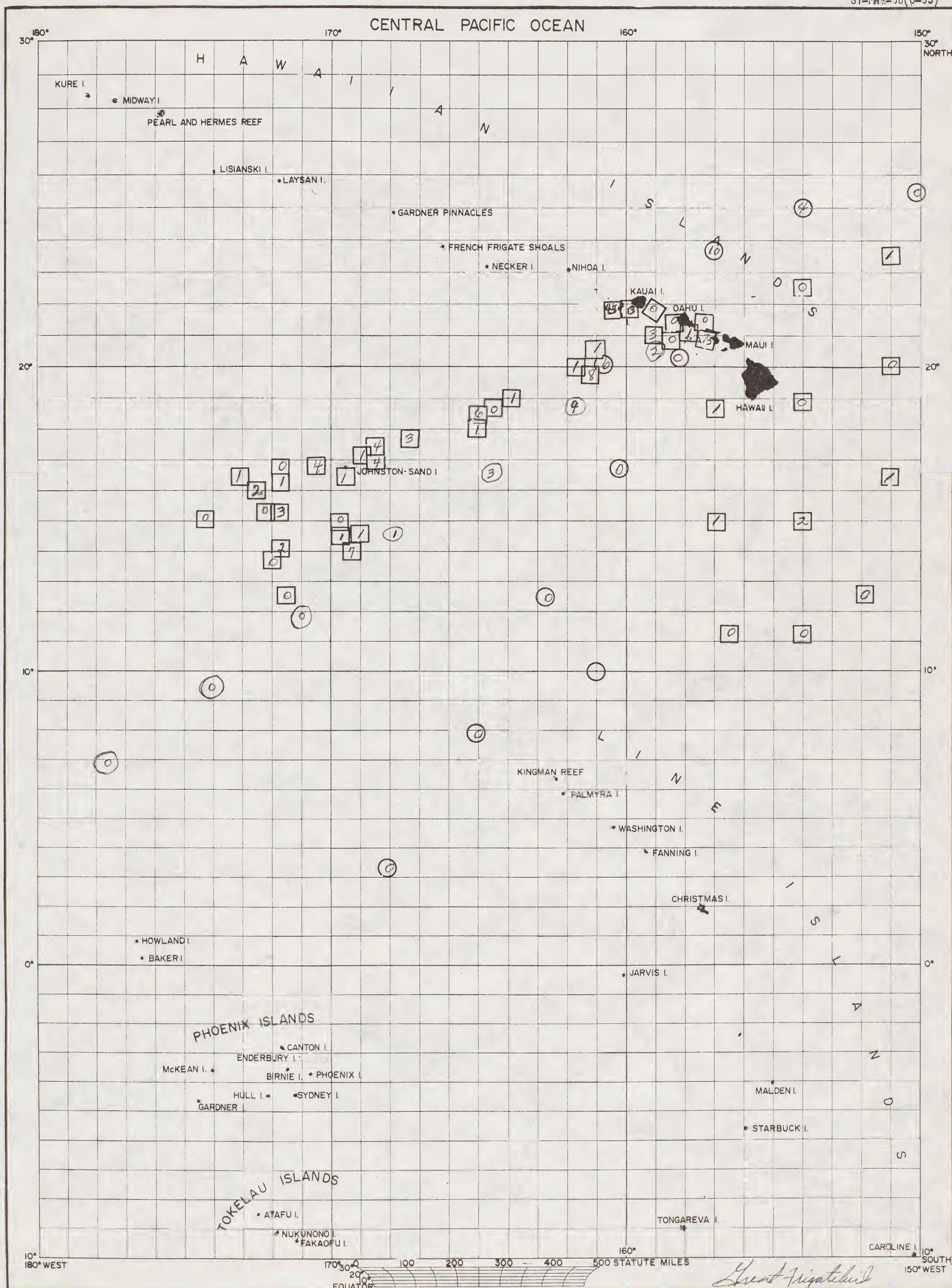
SI-MNH-38(8-65)



- = 1-15 November
- = 16-31 November
- = 0 birds
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- = 26-50 "
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NOVEMBER

SI-MNH-38(8-65)

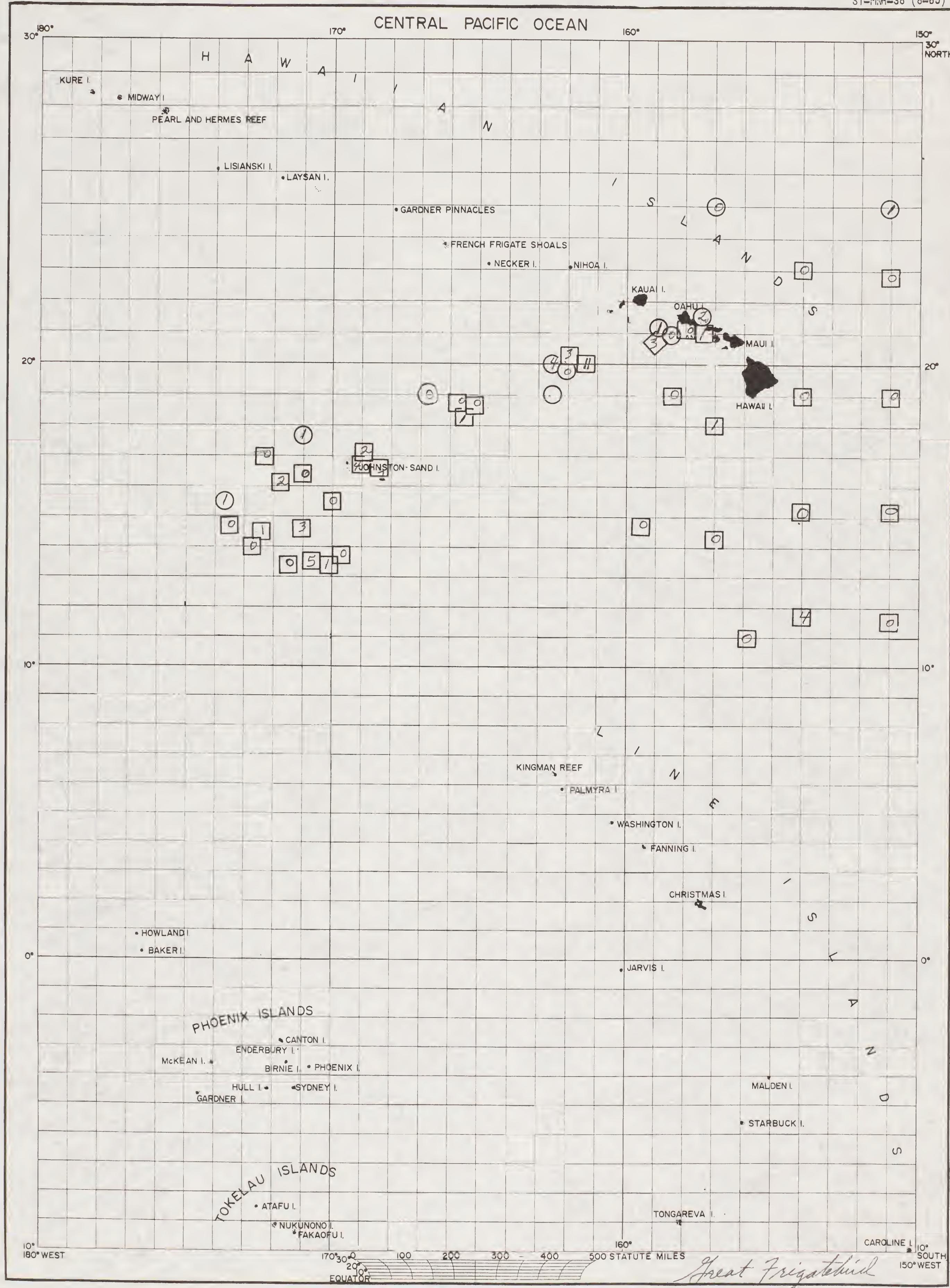


Great Frigatebird

- = 1-15 December
- = 16-31 December
- = 0 birds
- = 1-10 "
- = 11-25 "
- = 26-50 "
- = 51-100 "
- = 101-500 "
- = 500+ "

DECEMBER

SI-MNH-38 (8-65)



= 1-15 December

= 16-31 December

= 0 birds

= 1-10 "

= 11-25 "

= 26-50 "

= 51-100 "

= 101-500"

= 500+ "

DECEMBER

SI-MNH-38 (8-65)

CENTRAL PACIFIC OCEAN

